Abbreviations

ELDC  English Language Development Centre
HEC   Higher Education Commission
ICPC  Information & Communication Processing Center
IOT   Indigenous on Campus Training
MIS   Management Information System
MUET  Mehran University of Engineering and Technology, Jamshoro
MUISTD Mehran University Institute of Science, Technology and Development
MUN   Model United Nations
ORIC  Office of Research Innovation and Commercialization
PASTIC Pakistan Scientific and Technological Information Center
QEC   Quality Enhancement Cell
US-PCAS-W US-Pakistan Centre for Advanced Studies in Water
In January 2014, I became the Vice Chancellor of Mehran University of Engineering & Technology, Jamshoro taking over from Dr. A.Q.K. Rajput who provided great leadership for the last twelve years.

MUET is recognized as a nationally influential research university; a leader in innovation; a destination of choice for outstanding graduate students from around the world; and a university that provides a challenging and enriching undergraduate experience for national and international students. It closely supports the nation’s key goals for excellent Higher Education, and outstanding research and innovation.

MUET continues to operate in a fiscally constrained environment and trying to complete a process that fully aligns priorities with the budget model. Exploration and development of additional sources of funding beyond the HEC envelope through Federal and Provincial governments support, partnerships with industry and private philanthropy continues to be a focus. Innovation in education and research, contribution to economic and social development, and meeting the needs of an educated workforce continue as priorities.

In fact a handsome amount was invested in 2014-15 as we built new residences for our students, faculty and local as well as foreign delegates, constructed fully equipped gymnasium and other allied facilities throughout the campus, reside renovated, refurbished and expanded learning and teaching and research facilities, developed new programs and hired new staff, especially for our recently launched programs. These leading academics are as much managers as they are educators and researchers. This has achieved a stepped change in the the culture of MUET resulting in more transparency among, cooperation with, and leadership from a very distinguished, collegiate and innovative team.

As it was reported last year, MUET was trying to become a role model to other Public Sector Engineering universities with our desire to grow and flourish through engagement. We are achieving this by working more closely with our students, our communities, industries, regional employers and with government at all levels.

We may not know what lies beyond the horizon next year, but we know we have the people and resources to weather any challenge that comes our way.

The future is indeed bright at MUET, Jamshoro, Pakistan.

Prof. Dr. Mohammad Aslam Uqaili
Vice Chancellor
25th June, 2015
Vision

Increase the Access & Quality of Teaching and Research to contribute effectively towards building up of indigenous S&T Capability for Sustainable rapid socio-economic development to become world class institution.

Mission

To equip our undergraduate, postgraduate and doctoral students with advance knowledge through collaborative opportunities emerged from academia industry and government linkages.

MUET Comprises of

- MUET Main Campus at Jamshoro
- Shaheed Zulfiqar Ali Bhutto-MUET Campus, Khairpur Mir’s (SZAB-MUET)
- US Pakistan Center for Advanced Studies—Water (USPCAS-W)
- Center of Excellence in Arts and Design (CEAD)

Governance

1. Senate
2. Syndicate
3. Academic Council
4. Boards of Faculties
5. Boards of Studies
6. Selection Board
7. Advanced Studies and Research Board
8. Finance and Planning Committee
9. Affiliation Committee
10. Students Disciplinary Committee
Officers

Prof. Dr. Mohammad Aslam Uqaili
Vice Chancellor

Engr. Ghulam Sarwar Kandhir
Pro-Vice Chancellor
MUET, SZAB, Khairpur Mir’s Campus

Prof. Dr. Ghaus Bux Khaskeli
Dean Faculty of Architecture & Civil Engineering

Prof. Dr. Bhawani Shankar Chowdhry
Dean Faculty of Electrical, Electronic & Computer Engineering

Prof. Dr. Pir Roshan S. Rashdi
Dean Faculty of Sciences Technology & Humanities

Prof. Dr. Hafeez-ur-Rahman Memon
Dean Faculty of Engineering

Prof. Dr. Tauha Hussain Ali
Registrar

Engr. Munir A. Shaikh
Director Finance

Mr. Suhail Ahmed Khatian
Controller of Examinations

Mr. Azam Ali Halepota
Incharge Librarian

Mr. Lachhman Das
Resident Auditor

Engr. Ashfaque A. Issani
Director Planning & Development

Engr. Saghir Ahmed Memon
Director works & services

Engr. Qazi Riaz Hassan Qureshi
Project Director / Incharge Transport Section
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Introduction

Jamshoro Education City

Jamshoro city, famous for the educational institutes is situated on right bank of Indus River, 18 kilometers from Hyderabad and 150 from Karachi. It is virtually the gate-way to the Indus Valley. The world famous for its civilization and rich cultural heritage.

It is the administrative headquarter of District Jamshoro, home to three universities, Mehran University of Engineering and Technology (MUET), Liaquat University of Medical and Health Sciences (LUMHS) and second oldest university of Pakistan, University of Sindh and is called "Jamshoro Education City". Well known for its soothing wind at night time.
History of MUET

The Mehran University of Engineering and Technology is known as MUET or Mehran UET in short. It is a public sector University catering to the future engineering professionals’ demand of the Sindh province in particular and the country in the broader sense. It was initially established as Sindh University Engineering College of the University of Sindh 1963.

Accordingly, the college was first declared as an additional campus of the University of Sindh headed by a Pro-Vice-Chancellor in July 1976 and later upgraded to the level of a full-fledged independent University on 1st March, 1977 through an ordinance issued by the Governor of Sindh. The ordinance was later converted into an Act of the Provincial Assembly of Sindh Province. The new University was named as “Mehran University of Engineering and Technology”.

In 2004 the Centre of Excellence in Arts & Design was established in the University. In 2009 a constituent college named as ‘Mehran University College of Engineering & Technology’ has been established at Khairpur (Mir’s) to cater the increasing demand of qualified engineers. Later on in 2013 it was upgraded as MUET SZAB Campus.

In 2013 HEC ranked, Mehran University of Engineering and Technology as the 4th best engineering degree awarding institution in Pakistan, number one Engineering University of Sindh that attracts a number of students from all around Pakistan and from foreign countries, mostly from South Asia, Middle East and North Africa.

The University has a mission to produce high quality engineering graduates with extraordinary skills to fulfill the rising demand of the industry. The university is focusing on establishing stronger linkages with the industry in order to better understand their present and future engineering requirements.

As of 2014, it is ranked among the top ten institutions of higher engineering learning in Pakistan by HEC. The University offers undergraduate students, postgraduate research students, and doctoral research in various engineering field. Mehran UET has the honor of being the first public sector University in the country to have successfully obtained the ISO 9000 certification, when accreditation and quality standards certification was seen as unimportant to many higher education institutes. Mehran University of Engineering and Technology is a member of Association of Commonwealth Universities of the United Kingdom. The Education Policy of 1972 provided for upgradation of the Sindh University Engineering College to the level of a University of Engineering and Technology.
MUET Timeline

1. 1963: Established as Sindh University Engineering College
2. 1968: 1st Batch Passed Out
3. 1974: University main campus shifted to Jamshoro and the sub campus at Nawabshah, was declared as constituent College of Mehran University; renamed Mehran University College of Engineering & Technology (MUCET)
4. 1976: Declared as an Additional Campus of the University of Sindh headed by a Pro-Vice-Chancellor
5. 1980: Upgraded to the level of a full-fledged independent University
6. 1991: First Convocation Held
7. 1996: Mehran University College of Engineering and Technology, Nawabshah, has also become an independent University, named as ‘Quaid-e-Awam University of Engineering, Science and Technology’
Programs

Faculty of Engineering

- Chemical Engineering
- Industrial Engineering & Management
- Mechanical Engineering
- Metallurgy & Materials Engineering
- Mining Engineering
- Petroleum & Natural Gas Engineering
- Textile Engineering

Faculty of Electrical, Electronic & Computer Engineering

- Bio-Medical Engineering
- Computer Systems Engineering
- Electrical Engineering
- Electronic Engineering
- Information & Communication Technologies
- Software Engineering
- Telecommunication Engineering

Faculty of Architecture & Civil Engineering

- Architecture
- Centre of Excellence in Arts & Design
- City & Regional Planning
- Civil Engineering
- Environmental Engineering & Management
- US-Pak Center for Advanced Studies in Water

Faculty of Sciences, Technology & Humanities

- Department of Basic Sciences & Related Studies
- English Language Development Centre
- MU Institute of Science Technology & Development

MUET SZAB Campus, Khairpur Mir’s

- Civil Engineering
- Electrical Engineering
- Mechanical Engineering
- Petroleum & Natural Gas Engineering
Facilities

- Library & Online Information Center
- Students Teacher Center
- Gymnasium
- Sports Ground
- Transport
- Internet - Wi-Fi
- ICPC
- Auditorium
- Office of Research Innovation & Commercialization
- Public Higher Secondary School
- Students Financial Aid Office

Boys Hostels
- Hyder Bux Jatoi
- Pir Hasam-u-Din Shah Rashidi
- Sachal Hostel
- Shah Latif Hostel
- Shaikh Abdul Majeed Sindhi Hostel
- GM Sayed Hostel
- Postgraduate Hostel

Girls Hostels
- Elsa Qazi Hostel
- Muhtarma Shaheed Benazir Bhutto Hostel
- Bakhtawar Hostel

Faculty Hostels
- Foreign Faculty Hostel
- DR. A.Q. Afghan Hostel

Students’ Enrollment

<table>
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<tr>
<th>Year</th>
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Studies

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MUET Annual Report 2014-15
# Human Resources

## Qualification-Wise Faculty

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<td>Administrative Staff</td>
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<td></td>
<td><strong>Total</strong></td>
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Accomplishments
The United States Government through United States Agency for International Development (USAID) and Government of Pakistan through the Higher Education Commission (HEC) have partnered together to create state of art centers for advanced studies. The U.S.-Pakistan Centers for Advanced Studies have been designed by the United States Government and Government of Pakistan to support Pakistan's economic development by strengthening universities and encouraging applied research. The USAID-funded Centers have been designed to leverage economic development in Pakistan through applied research in energy, water, and agriculture & food security.

The U.S.-Pakistan Center for Advanced Studies in Water (USPCAS-W) has been established at the Mehran University of Engineering and Technology (MUET) Jamshoro under the Cooperative Agreement signed with USAID on Dec. 12, 2014 for five years.

The USPCAS-W is a state-of-the-art and modern applied research center. USPCAS-W is a world-class education and applied research center dedicated to resolving Pakistan's water crises through applied research, developing specialist human resources and technologies; academia-industry collaboration; and policy formulation. The centers will generate cost-effective and sustainable solutions to Pakistan's challenges related to water and educating the next generation of scientists, engineers, and policymakers through innovative academic programs in water that are focused on applied research to solve Pakistan's contemporary problems. The Centers for Advanced Studies at MUET in water is encouraging and empowering women scientists and researchers to actively participate in applied research to solve Pakistan's contemporary problems. The USPCAS-W will receive assistance in technical issues and capacity building from U.S. Partner University (University of Utah).
Solar Mapping Resource Station Established

In collaboration with the World Bank under the initiative of the Alternative Energy Development Board (AEDB) for implementing the Renewable Energy Mapping Project the solar resource mapping station has been established at Mehran University, Jamshoro. Prof. Dr. Mohammad Aslam Uqaili, Vice Chancellor, MUET, inaugurated the solar resource mapping station at Mehran University’s Old Administration Building, Jamshoro under Pakistan Solar Resource Mapping Project (ESMAP). The project includes ground measurement of solar, wind data and production of solar/wind atlases of Pakistan. This mapping project will result into the continuous research towards utilization of renewable energy resources at maximum and research to capitalize the indigenous resource for solving the problem of energy shortages in the long run in the country.

The students of university can do better quality research in the field after the availability of reliable and local data resources. Under the wind mapping project, an 80 meter high wind mast to be installed in the next phase.
Prof. Dr. Mohammad Aslam Uqaili, Vice Chancellor MUET, inaugurated the water recycling plant manufactured by Prof. Dr. Rasool Bux Mahar, Co-Director Institute of Environmental Engineering and Management. With the help of water recycling plant which pumping machine being operated through solar energy; the recycling water will be utilized for tree plantation in the premises of University.

A ‘Coal Research & Resources Centre (CRRC)’ has been established in Mehran University of Engineering and Technology (MUET) Jamshoro to strengthen government’s efforts to address issue of present energy crisis. A university announcement said here on Monday that the MUET had taken initiative in line with ICC-2013 (First International Coal Conference 2013) which was organized by the varsity earlier in which the decision for its establishment had been taken. Its purpose is to provide state of art research facilities to support public and private sector for economic development of the country. Dr. Suhail A. Soomro has been appointed as CRRC director.
PASTIC Desk on Campus

The management of Mehran University, Jamshoro, signed an memorandum of Understanding (MoU) with Pakistan Scientific and Technological Information Centre (PASTIC) for Establishment of PASTIC Desk at Mehran University. The agreement was signed by Prof. Dr. Mohammad Aslam Uqaili, VC MUET and Dr. Khalil Ahmed Abupoto, Chairman Pakistan Science Foundation. With the establishment of Mehran PASTIC Desk research resources sharings increased, which is benefiting the researchers.

Self-Access Centre established at ELDC

First Self - Access - Centre in Province Sindh and Baluchistan has been established at English Language Development Centre MUET in collaboration with HEC Islamabad. This Centre will be the hub of teachers’ training where not only university faculty will be trained but college teachers will also be trained. Prof. Dr. Mohammad Aslam Uqaili, VC MUET, Prof. Dr. Raza Bhatti, member Higher Education Commission, Prof. Dr. Pir Roshan Shah Rashdi, Dean Faculty of Sciences, Technology and Humanities, and Dr. Habibullah Pathan, Director English Language Development Centre (ELDC) spoke on the inauguration ceremony of Computer Assisted Language Learning (CALL) center.
MUET Selected for “Center for Tele Infrastructure”

MUET Has been selected by Aalborg University, Denmark for establishment of “Center for Tele Infrastructure” (CTIF), South East Asia for the countries like Pakistan, Bangladesh, Indonesia, Malaysia and Thailand. On the occasion of announcing the South Asia Regional Centre, Prof. Dr. Tahir Riaz from CTIF, Aalborg University informed that the main purpose of CTIF Global is to facilitate global research and education activities in the area of mobile and Wireless Communication, Telemedicine, Wireless Sensors Networks, Smart Grid and also to support national businesses strengthen their position by introducing potential international partners in new markets. The CTIF Global Network works as a gateway to international partnerships and cooperation and provides an international platform for the purpose of strengthening competitiveness in the global market in the areas of Information and Communication technologies. CTIF has already established international centre in Denmark, Italy, Japan, USA, India and he thanked CTIF Global for selecting MUET for CTIF South East Asia Centre.

Glimpses of University Advancements

- Establishment of Alumni Development Fund
- Establishment of LabVIEW International Academy 1st ever in any university in Sindh and 2nd in Pakistan after Air University Islamabad
- Established Bio Gas Plant at Sanghar in support with UNEP
- Foundation of Entrepreneurship Center, Site area, January 2015
- Bakhtawar Girls Hostel Inauguration, January 2015
- Establishment of Students-Teacher Centre, February 2015
- Foundation of MUET Residential Colony, February 2015

Green Car: An Eco-Friendly Approach

A number of countries are trying to make their efforts to make environment friendly and energy efficient vehicles. The reserves of mineral oil are depleting so the replacement of technology for propelling vehicles is of major concern. Moreover, with the price hikes of gasoline, diesel and CNG, people are looking around for the alternatives. As far as our country is concerned, a very little consideration is given to solve such problems. However, Mehran UET Jamshoro has recently taken an initiative to revolutionize the means of urban transport. A team of engineers called “Team HORIZON” under supervision of Dr. Zeeshan Ali from Department of Mechanical Engineering, has designed and manufactured a prototype of an urban concept, Plug-in Battery Electric Car.

The car which is named as “WHIZ” features a lightweight chassis along with a special kind of body, made up of Fiber Reinforced Plastic (FRP) which makes the structure very light, however, safety does not get compromised. The prototype model of the car is a single seated with the maximum speed is 45 Km/h and gives a journey of 70-80 Km per charge of the battery. The single battery that powers the propulsion system of the car is Lithium ion (LiFePO4) dry battery which has the potential difference of 48 volts and power of 6.7 hp in total. The lithium-ion batteries can be recharged completely within 4-8 hours (depending about the charging capacity of the charger) & is designed to give 2000 cycles of complete charge & discharge.
International Conferences

First International Coal Conference (ICC)

First international coal conference was jointly organized by the Energy and Environmental Engineering Research Group, MUET, and Centre of Excellence in Pure and Applied Geology of Sindh University. Experts speaking at an international conference recommended forming a company under public-private partnership for coal excavation in Thar, with the federal and provincial governments having a share of 35 percent each and a private partner the remaining 30 per cent. Giving recommendations on the ways coal should be excavated from the Thar region, they called for expediting the existing open-pit mining projects and selection of combustion technology best suited to coal found in Thar. They were speaking at an introductory Session, titled “Thar coal: utilisation issues and possible outcomes”, of the first international coal conference to be held in November at the Mehran University of Engineering and Technology (MUET). The session, connected via a video link to other universities as well, aimed to introduce and promote international conferences on coal and highlight the potential role of Thar coal in mitigating the severe energy crisis gripping the country. Experts also recommended that an adequate geographic information survey based on the Thar coal region be conducted. They said that water resource assessment for the entire field should carried out for proper planning of future power generation. Other recommendations included demarcating areas in the basin suitable for open pit and underground mining, creation of an outside dump for underground mining and developing an underground pilot mine to understand strata behavior during mining operations.
The 3rd International Conference on Energy, Environment & Sustainable Development (EESD 2014) was held at the Mehran University of Engineering & Technology, Jamshoro, from 22–24 October 2014. Experts urged for a brighter, better and more green environment in which technology enables everyone to improve the availability and sustainability.

To enable participants to embrace a wide range of experts, specialists, researchers and educators chaired and spoke in conference in parallel sessions, discussed and presented the latest information and findings for Quality Technology Advancements and latest innovative trends in various fields.

Dr. Mujeeb-u-din Sehrai, Vice Chancellor, Sindh Agricultural University, Tandojam was the Chief Guest. Engr. Masood Lohar, Country Coordinator (GEF) was the Guest of Honor. Dr. Ghouses Bux Khaskheli, Dean Faculty of Architecture and Civil Engineering gave a welcome speech for the national and international delegates and all the participants. Prof. Dr. Rasool Bux Mahar highlighted the aims and objectives of the conference. Prof. Dr. Mohammad Aslam Uqaili, Vice Chancellor MUET, also addressed the audience.

There were 4 key note presentations from International delegates in the Inauguration Ceremony.

- First Key note speech was given by Mr. Honda Shuichi from Japan.
- The second speech on the Dust and their global environmental impact was given be Mr. CemalSay dam from Turkey.
- The current work on Ionic Liquids (ILs) and their applications in oil refineries for removal of sulfur from the petroleum products was presented by Dr. Guangren Yu from China. Two parallel Technical sessions were managed for the oral presentations of papers in 5 Themes.

**Theme 1:** Environmental Management
**Theme 2:** Energy Conservation & Management
**Theme 3:** Bioenergy; Biogas, Biofuels & Combustion Technologies
**Theme 4:** Renewable and Emerging Energy Systems
**Theme 5:** Environmental Engineering & Management
Recommendations of the Conference

- The urbanization has increased socio-economic change due that solid waste is wasted it needs to be utilized by implementing solid waste management options for developing countries like Pakistan in collaboration with academic, research organizations, public & private sector partnership.

- The utilization of the biomass and microbial species is also a major renewable energy source and it must be exploited in order to increase energy share in total energy output. The bio mass is also raw material for bio ethanol which can be used as a fuel in addition to many other products. Instead depending on fossil fuel we can go for other renewable energy sources in a sustainable manner, like solar wind, tidal etc.

- Energy conservation in industries may also be given priority to decrease the energy load. Industrial processes may also be considered for green processes to reduce greenhouse gas emissions.

- Coal resources must be utilized efficiently not only for power generation but also for other products like gasoline, diesel, synthetic gas and variety of other hydrocarbons.
IEEE Explosion

Mehran university of Engineering and Technology, Jamshoro, in collaboration with Institute of Electrical and Electronics Engineers (IEEE) Karachi section and IEEE Chapter MUET, organized a mega event and mark the history. IEEE Explosion 2014 was a national Level event. Students from Humdard University Karachi, LUMHS University, ISRA University, Quaid-e-Awam University, Sindh University and SZABIST College also took part in it. Dr. Bhawani Shankar Chowdhary, in his welcome address congratulated the team over the successful event. About 700 participants were registered from all around Pakistan.

Chief Guest Prof. Dr. Mohammad Aslam Uqaili, Vice chancellor of MUET, inaugurated the event by cutting ribbon. Event was followed by the 3 technical seminars which were conducted by Mr. Usman Younis on “Emerging Technologies”, Mr. Hamad-ul-lah Kazi on “Research and Innovation” and Prof. Dr. Ehsan Ahmed Ursani on “Stem cell Technology” respectively.
Addressing the inaugural session of the fourth international multi topic conference organized by the Mehran University of Engineering & Technology (MUET), Dr. Mukhtar Ahmed, chairman Higher Education Commission (HEC), said that the country was facing a crisis that was the result of wrong policies framed by the people of his generation. He expressed the hope that all crises right from terrorism to water and energy would be resolved by youth.

He said the HEC would launch a program to provide the facility of Wi-Fi in all universities to provide students easy access to the internet. Researchers, educationists and experts of different fields from over 20 countries shared their views and experiences to enlighten students and audience. Addressing the conference Prof. Dr. Mohammad Aslam Uqaili, Vice Chancellor MUET, said research papers presented by national and international experts would be helpful to meet the present day needs and to respond the future challenges. Especially, he further said, it would be highly beneficial in the fields of computer science, software engineering, electronics, telecommunication and energy management. He suggested that students and teachers should derive maximum benefit from this research friendly environment and interaction. He said sessions of this conference also being held in Khairpur Campus. Dr. B.S. Chowdhry, Dean of electrical, electronics and computer system engineering, in his welcome speech, stressed to understand the information and communication technologies to face the challenges of growing population and global economy. During conference 23 experts and 86 writers presented technical papers.

(Earlier this, the HEC Chairman also Inaugurated the Teachers and Students Center.)

Closing Ceremony: Space and Upper Atmosphere Research Commission (SUPARCO) chairperson Major Gen (Rtd) Ahmed Bilal, who spoke as the chief guest in closing ceremony, stressed on the youth to focus on inventing technologies rather than just learning the use of existing ones. “MUET students should prove that they will no longer wait for government engineering jobs but will create job opportunities in the private domain through their inventions.” Earlier, MUET and the Institute of Electrical and Electronics Engineering Pakistan (IEEE) inaugurated a centre in Hyderabad. IEEE president during the inauguration, Dr. Mohsin M Syed said the institution aims to spread awareness of electrical and electronics engineering through publications.
National Youth Leadership Conference

A joint Venture of SYC, ELDC and MUDS

Directorate of English Language Development Centre (ELDC) MUET Jamshoro organised ‘Mehran Youth Leadership Conference’ at main auditorium. Dr. Habibullah Pathan reported the achievements of ELDC MUET and informed that Higher Education Commission in Collaboration with ELDC MUET Jamshoro has established state of the art Self Access Centre which is hub of teachers’ training in the province and first ever SAC in province Sindh.

Prof. Dr. Roshan Shah Rashdi, Dean Faculty of Sciences, Technology and Humanities commended efforts of Director ELDC and his team on organizing interactive events for the students of MUET. Dr Mohammad Aslam Uqaili, the Vice Chancellor of MUET Jamshoro in his presidential address spoke on the importance of leadership and presented his slogan and vision for MUET Jamshoro. He stressed that each member of the MUET community should own this university and start saying that “this is my university.”

In the end, Dr. Uqaili gave away shields and ajrak to the speakers and organizers.
Department of Metallurgy and Materials Engineering organized a one day “1st National conference on Metallurgy and Materials (NCMM-15)” at Mehran University of Engineering and Technology Jamshoro. It was an enormous package of technical learning at national ground. It was a legendary meeting where students across the length and breadth of Pakistan had meets up, compete and learn from each other. This event was sponsored by Pakistan Science Foundation, Pakistan Steel Mills Karachi, Agha Steel Industries Karachi, and Bolan Casting Ltd, Pakistan. The Chief Guest Major Gen. Retired Zaheer Ahmed Khan, C.E.O Pakistan Steel Mills Karachi, graced the occasion by expressing his views regarding the importance of research and challenges and milestones achieved in PSM. Mr. Sirajuddin Khan, C.E.O Bolon Casting Ltd, addressed the participants and emphasized on the morality of education, research and patent writing. Prof. Dr. Faizullah Abbasi, Vice Chancellor of DUET, Karachi, briefed the history of the Department of Metallurgy and Materials. Prof. Dr. M. Aslam Uqaili, Vice Chancellor MUET, shared the milestones achieved by MUET in recent history due to which MUET is ranked 2nd in public universities. Prof. Dr. Hafeez-ur-Rehman Memon, Dean faculty of Engineering ended the conference with vote of thanks.

National Petro Contest at MUET SZAB Campus Khairpur Mir’s

Department of Petroleum and Natural Gas Engineering MUET Shaheed Z.A. Bhutto Campus Khairpur Mir’s organized “1st National Petro-contest (NPC)” on March 26, 2015 at Sachal Auditorium Khairpur Mirs. It was a gathering where students across the length and breadth of Pakistan had meets up, compete and learn from each other. This event were sponsored by OGDCL, PPL, Technology Links, Rizvi & Company, Pak Tech Instruments, RasTech, National Scientific Corporation. The chief guest Prof. Dr. Mohammad Aslam Uqaili, Vice Chancellor MUET, inaugurated the event. The welcome address was presented by the Pro Vice Chancellor MUET SZAB Campus Engr. Ghulam Sarwar Kandhar. At the end of the opening ceremony, the chief guest and all other dignitaries proceeded to the exhibition area for the inauguration of the exhibition models. The technical papers were presented by the students of NED UET, Dawood UET, University of Karachi, UET LAHORE, Balochistan University of Information Technology, Engineering and Management Sciences, Mehran UET & Mehran UET SZAB Campus Khairpur.
Hosted SARAC Countries, Documentation Processing Workshop

SAARC Documentation Center (SDC), New Delhi and Mehran University of Engineering and technology concluded the 5 day Workshop on DSpace at Mehran University Jamshoro. Experts from SAARC countries participated in workshop and delivered lectures to professionals of Library Science. The Chief Guest Prof. Dr. Mohammad Aslam Uqaili, Vice Chancellor, MUET, Jamshoro and Guest of honor Ms. Kesang Dechen, Deputy Director, SAARC Documentation Center, New Delhi (India) distributed certificates among the participants.

Given the concluding remarks Prof. Dr. Mohammad Aslam Uqaili said that this workshop would strengthen the skills of the library staff and professionals. Ms. Kesang Dechen of SDC New Delhi and Dr. G Mahesh observed that this workshop is very insightful for the new digital library science and SAARC participants would share their skills with their colleagues and researchers and library staff. The SAARC countries including Bangladesh, Bhutan, India, Sri Lanka, Maldives, Nepal and Pakistan participated in the workshop.
Australian Trade Commission Offers Vocational Training Institute at MUET

Patrick Kearins, the Trade Commissioner of Australian Trade Commission met Prof. Dr. Mohammad Aslam Uqaili, Vice Chancellor Mehran University of Engineering & Technology, Jamshoro. During the meeting, Mr. Kearins expressed his government’s full cooperation to establish the Vocational Training Institute in Mehran University in Hyderabad’s Site Area.

They also discussed on the linkages between MUET and Universities of Australia for the 'Split PhDs' program. According this program student would complete half of their PhD program in Mehran University and remaining half in Australian Universities. Dr. Tauha Hussain Ali, Registrar, MUET and Munir Ahmed Shaikh Director Finance, MUET, were also present in the meeting.

Counseling Seminar for Australian Scholarships

MUET, in collaboration with Australian Trade Commission, organized a seminar for Final & Third-Year students regarding the opportunities of Scholarships in Australia. Prof. Dr. Mohammad Aslam Uqaili, Vice Chancellor MUET, Registrar Prof. Dr. Tauha Hussain Ali and Tahir Mehmmad, Regional Business Development Manager of ATC, addressed the one-day seminar at Main Auditorium.
Memorandum of Understandings (MoUs)

INTERNATIONAL

MoU With University Technology Malaysia

A memorandum of Understanding (MoU) was signed between University Technology Malaysia (UTM) and Mehran University of Engineering and Technology, MUET was represented by its Vice-Chancellor, and Dean of the Faculty of Electrical, Electronics and Computer Engineering MUET. Senior Director of UTM International, Prof. Dr. Noordin Yahaya and Dean of the Faculty of Computing, Prof. Dr. Aizaini Maarof were the signatory on behalf of University Technology, Malaysia.During the Malaysian visit Prof. Dr. Uqaili, also gave a ‘Technical Talk Session’ in University Technology Malaysia (UTM) on "Developing Collaboration in Renewable Energy Research".

China University of Mining Technology

The memorandum of understanding (MOU) between Mehran University (MUET) Jamshoro and China University of Mining & Technology (CUMT) Xuzhou, Beijing, has been signed by Vice Chancellor MUET, Prof. Dr. Mohammad Aslam Uqaili and President China University of Mining and technology, Beijing Prof. Yang Renshu.

Shinshu University, Japan

In order to promote educational and academic exchanges between the two institutions, Mehran University of Engineering & Technology, Jamshoro, Pakistan and Beijing Technology and Business University, China has endorsed the Memorandum of Understanding (MoU) signed by Vice Chancellor, MUET, Dr Mohammad Aslam Uqaili and Vice President, Beijing Technology and Business University, China, Prof. Li Chaoxian at Beijing Technology and Business University. Both institutions will make every reasonable effort to encourage direct contact, educational and research cooperation between their constituents that include students, faculty members, departments and research institutes and will endeavor to cooperate in the field of Environmental and Chemical Engineering.

MoU has been signed between Shinshu University, Japan and Department of Textile Engineering, Mehran University of Engineering and Technology, Jamshoro Pakistan.
MoU with Hacettepe University Turkey

Prof. Dr. Mohammad Aslam Uqaili, Vice Chancellor, MUET, has signed a MoU with Prof. Murat Tuncer, Rector, Hacettepe University, Hacettepe University for collaboration, support for research and other academic activities, during his visit to Ankara, Turkey. A team of researchers from MUET Jamshoro visited GÜL Tuncbilek Open Pit Coal Mine Tavsanlı, Turkey. It is situated at some 385 kilometers west of Ankara. The team included Prof. Dr. Mohammad Aslam Uqaili, Prof. Dr. Abdul Ghani Pathan, Engr. Gordhan Valasai, Fahad Irfan Siddiqui and Kivanç Het (General Directorate of Turkish Coal Enterprises). They visited to Coal Washing Unit. The group of researchers from MUET, led by Prof. Dr. Mohammad Aslam Uqaili, met with Numan HATİPOĞLU, Governor of Tavsanlı and discussed the development of coal and social cooperation between the brotherly nations.

Interaction with Industry MUET Sign MoU with Ms. Rastek Technologies for developing joint Industrial Projects.

VC MUET and Maj. Gen. (r) Ahmed Bilal Chairman SUPARCO, shaking hands during MoU.

Khalid Amin Chancellor Indus University, Karachi, Visiting MUET main campus after MoU ceremony

Dr. Khalil Ahmed Abupoto Chairman Pakistan Science Foundation handing over MoU File to VC MUET

Supporting Healthcare to improve lives SSGC CSR MoU with MUET June 2015
AI SOFT Inc USA to establish an IT Incubator

Mehran University of Engineering & Technology Jamshoro has signed the “Memorandum of Understanding” (MoU) to establish an IT incubator at IIT building Mehran University of Engineering & Technology in collaboration with AisoftInc, USA to strengthen R&D culture and develop commercially viable IT products.

Prof. Dr. Mohammad Aslam Uqaili, Vice Chancellor Mehran University of Engineering & Technology Jamshoro on the occasion of signing the MoU said that we are moving towards providing international exposure for the creative work of the students and faculty of Mehran University of Engineering & Technology Jamshoro. AisoftInc, will provide grant to sponsor standard stipend to cover tuition fees for the selected developers under this program.

“The scientist discovers the world that exists; engineers create the world that never was.”

Theodore Von Karman
Research Journal

- Mehran UET regularly publishes its research journal (quarterly) which is recognized by Higher Education Commission (HEC) under X-Category

External Research Grants

Sustainable Energy Planning for Pakistan: MUET awarded PSSP CGP Funding

Another breakthrough MUET has achieved: That the Research Advisory Committee (RAC) has selected our proposal at the PSSP Fourth Research Competitive Grants Conference on “SUSTAINABLE ENERGY PLANNING FOR PAKISTAN: A MODELING AND DECISION AID FRAMEWORK” for partial funding. Mr. David Orden, Senior Research Fellow at International Food Policy Research Institute (IFPRI) congratulated Prof. Dr. Mohammad Aslam Uqaili and Prof. Dr. Khajji Harjan, Principal Investigators of the said project. This is a USAID funded project recommended for funding at the level of $25,000. Besides, over 325 applications were received and each proposal was scored in the initial reviews, and the selection committee nominated 87 of those evaluated for further review. MUET won the competition.

Selective flocculation of Synthetic Iron: ore under complex conditions

The Higher Education Commission (HEC) has approved the project of Prof. Dr. Muhammad Ishaque Abro, department of Metallurgy and Material Engineering, MUET, titled, “Selective flocculation of Synthetic Iron: ore under complex conditions”. The project has awarded under the National Research Program for Universities, for period of 36-months at the level of 10.56 million rupees. This research Project’s Principal Investigator is Prof. Dr. Muhammad Ishaque Abro, co-Investigator Principal is Dr. Ghani Pathan and Researcher is Mr. Sikander Channa, Assistant Professor, MUET.

Effective Utilization and Up-Gradation of Nagar Parker Kaolin

The research collaborative project between Mehran UET and University of Manchester, UK has been awarded. The two world renowned institute will work together in the area of Effective Utilization and Up-Gradation of Nagar Parker Kaolin, under Knowledge Economy Partnerships Pakistan-UK funded by Higher Education Commission & British Council, Pakistan. The project team leaders Prof. Dr. Suhail A. Soomro and Dr. Stuart Holmes will work along with team members Dr. Arthur Garforth, Prof. Dr. Shaheen Aziz & Dr. A. Rehann Memon along with Engr. Razia from PCSIR laboratory Complex, Karachi to explore the possibilities of indigenous resource development.
### National Research Grants

<table>
<thead>
<tr>
<th>Sr No.</th>
<th>Title of Project</th>
<th>Funding Agency</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>National Grassroots ICT Research.</td>
<td>National ICT R&amp;D Fund</td>
<td>Rs. 722,850</td>
</tr>
<tr>
<td>2</td>
<td>Design &amp; Implementation of Intelligent Energy Efficient Industrial Process Control System Using Conveyor Belts Via Robotic Arm.</td>
<td>Pakistan Science Foundation, Pakistan</td>
<td>Rs. 1,316,341-00</td>
</tr>
<tr>
<td>3</td>
<td>Selective Flocculation of Synthetic Iron Ore under Complex Conditions.</td>
<td>HEC, Islamabad, Pakistan.</td>
<td>Rs. 10,565,364-00</td>
</tr>
</tbody>
</table>

### International Research Grants

<table>
<thead>
<tr>
<th>Sr No.</th>
<th>Title of Project</th>
<th>Funding Agency</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Watershed Rehabilitation and Irrigation Improvement in Pakistan.</td>
<td>ICARDA, USDA</td>
<td>USD 126,094-00</td>
</tr>
<tr>
<td>2</td>
<td>Sustainable Energy Systems: An integrated Model and Decision Aid Framework to Support Policy Making Decisions</td>
<td>USAID</td>
<td>US $ 2.5m</td>
</tr>
<tr>
<td>3</td>
<td>Biomass Resource Utilisation For Clean Energy Production And Socio-Economic Development In Rural Areas, MUET-Kingston University</td>
<td>British Council - HEC</td>
<td>US $7.0m</td>
</tr>
<tr>
<td>4</td>
<td>Effective Utilization and Up-Gradation of Nagar Parker Kaolin, Dr. SohailSoomro, Dr. Stuart Holmes, MUET-University of Manchester</td>
<td>British Council - HEC</td>
<td>US $7.0m</td>
</tr>
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</table>

### National and International Awards

<table>
<thead>
<tr>
<th>Name of Member</th>
<th>Faculty Award Title</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. KhanjiHarljan</td>
<td>Research Productivity Award</td>
<td>National</td>
</tr>
<tr>
<td>Prof. Dr. B S Chowdhry</td>
<td>Erasmus Mundus Fellowship Award, under Strong Ties</td>
<td>International</td>
</tr>
<tr>
<td>Dr. KhanjiHarljan</td>
<td>Best University Teacher Award</td>
<td>National</td>
</tr>
<tr>
<td>Dr. SheerazMemon</td>
<td>IETE-S Mitra Memorial Award</td>
<td>International</td>
</tr>
<tr>
<td>Dr. KhanjiHarljan</td>
<td>Best Research Paper Award for</td>
<td>National</td>
</tr>
<tr>
<td>Prof. Dr Mohammad Aslam Uqaili</td>
<td>IEEEP Inc. USA, President’s Appreciation Award</td>
<td>International</td>
</tr>
<tr>
<td>Prof. Dr. B S Chowdhry</td>
<td>IEEEP Inc. USA, President’s Appreciation Award</td>
<td>International</td>
</tr>
<tr>
<td>Prof. Dr. B S Chowdhry</td>
<td>Erasmus Mundus Fellowship Award, under Leader Program</td>
<td>International</td>
</tr>
</tbody>
</table>
Workshop on Essential Skills for new age Information Professionals

Mehran University of Engineering and Technology Library & Online Information Center, Jamshoro organized a National Workshop on Essential Skills for new age Information Professionals in collaboration with Pakistan Scientific and Technological information Center (PASTIC) Islamabad. The participants who participated in workshop were libertarians of public sector colleges and universities of Sindh. The MUET Vice Chancellor and Pakistan Science Foundation (PSF) chairman Dr. Ashraf Khan shared their views on the agreements signed between MUET & PSF. During the national workshop PASTIC Information Desk has also been inaugurated in the vicinity of MUET Library. Dr. Akram Shaikh, DG PASTIC, Prof. Dr. Roshan Shah Rashid, Dr. Hafeez Ur Rehman Memon, Dr. Tauha Hussain Ali and Azam Hali Poto also present there.

Solution for Brighter Tomorrow

In collaboration with Sui Southern Gas Company (SSGC) held on 18th March, 2014. The Chemical Engineering Department and Institute of Petroleum and Natural Gas were involved in participation of final year students and faculty members. Mehran University of Engineering and Technology organized this prestigious event successfully. Prof. Dr. Syed Farman Ali Shah (Chairman, Chemical Engineering Department) was Chief organizer and Technical coordinator of the event. Prof. Dr. Mohammad Aslam Uqaili, Vice Chancellor of Mehran UET graced the event as being Chief Guest. He cherished the efforts and also emphasized on his desire to make Mehran University of Engineering and Technology to the top ranked university in Pakistan.
Rapid urban growth challenges in developing countries

Due to deteriorating infrastructure of rural areas population influx is being consistently recorded in urban parts of the provinces and there is need to reserve the situation by improving the rural infrastructure. The Vice Chancellor expressed these views while addressing the inaugural session of a seminar organized by the City and Regional Planning Department of the MUET under the title of “Rapid urban growth challenges in developing countries”. It is said that Karachi is among 10 big cities of the World and the population influx all over the country has made it a city of numerous issues. The resolution of these issues is a big challenge for the planners, and these can be solved through comprehensive planning by engineers and experts. Lt-Gen (Retd) Iftikhar Hussain Shad, Managing Director Zulfikarabad Development Authority, gave introduction of Zulfi- karabad Project. Kashan Usmani. During the one day seminar Mumtaz Halepoto and Soorath Abbasi also gave presentations on town & urban planning and population growth in Hyderabad, respectively.
Career counselling and research in IT

Prof. Dr. Mohammad Aslam Uqaili, VC MUET, has said that there is a counsellor in every student and every teacher also must be an outstanding research counsellor. He was speaking at a seminar organized by department of computer system engineering on career counselling. Stressing on the importance career counselling is given in the western world; Dr. Uqaili told students that their professional careers would benefit greatly from this seminar. He said that four skills need to be mastered to become a good writer — reading, writing, listening and speaking. He said that one has to have extensive reading to become a good writer and before that one must be a good listener. However, he believes this ability is badly lacking in our society. Dr. Mukhtar Unar, Chairman of the department CSE, shared that the seminar was being organised in line with the objectives of ISO so that students would be able to attain knowledge about research which would help in their careers. Dr. Shaban Jokhio gave a presentation about career development and research.

Highlights of Seminars and Workshops

• One Day Seminar on Career Research Counselling, ORIC, April 2015
• International Workshop on Embedded Systems and its applications, March, 2015
• Development of Country Employment Resource, February 2014
• Industries Should Be Motivated to Adopt Advance Knowledge, February 2014
• IEEEP All Pakistan Students Seminar, February 2014
• Two Days Festival for knowledge, February 2014
• I learn Pakistan Seminar- British Council- February 2014
• Road Safety Seminar -Motorway Police, March 2014
• Synergy ‘14, March 2014
• Two day workshop, “Design of Research Proposal”, March 2014
• One day training course, “Emotional Intelligence in Conflict Resolution” March 2014
• Multicopters for Aerial Filming Demonstration, March 2014
• Metallurgical Industries, March 2014
• Career Development Seminar - (Industrial & Management Engineering Department), March 2014
• Water Management and Scarcity of Water in Developing Countries, IEEM, April 2014
• Organized Panel Discussion on “Technology and Education: Survival of the Nation”
• Translocation of arsenic in Sindh- workshop, January 2015
• Strategic Management, by Joe Shaffer, British Council, May 2015
• Oriental Despotism: “A Reflection to Bureaucracy in Pakistan” August, 2014
• One day training workshop, From Passion to Action, A Journey: “Idea to Business Plan” September, 2014
• Two day workshop, “Design of Research Proposal”, February 2015
• One day consultative workshop, “Developing Industry Driven Technologies” February 2015
• One day consultative workshop, “Policies for creating enabling environmental for encouraging problem solving research”, April 2015
• Seminar on Future Career Roadmap for Engineers, by Engr. Syed Abdul Qadir Shah, Chairman Pakistan Engineering Council PEC, June 2015
Training & Development

ORIC organized Professional Competency Enhancement Program

The training started from 28th April to 05th June 2014. Prof. Dr. Mohammad Aslam Uqaili, Vice Chancellor, inaugurated the training program of PCEPT on 28th April 2014. The training was attended by 35 participants from various departments of Mehran University, Jamshoro and Khairpur Mir’s Campus. On closing ceremony of PCEPT, Prof. Dr. Mohammad Aslam Uqaili, Vice Chancellor and Prof. Dr. Hafeez Ur Rehman Memon, Director ORIC distributed training certificates amongst all the participants of PCEPT on 05th June, 2014.

Workshop and Trainings at a Glance

- Indigenous On campus Trainings (IOT) - IT Equipment & Management Expertise 5 Days Training Program, September 2014
- Two days Cloud Computing workshop, September 2014
- Orientation Session with Lecturers, November 2014
- IOT - Quality assurance, stock management and hostel management, December 2014
- 20 Days Training Program STEVTA, January 2015
- IOT - Finance, Audit & Procurement, January 2015
- IOT – Presentation skills, communication skill and writing skills, March 2015
- IOT - Good governance, March 2015
- Training on flood forecasting, PCAS-W, May 2015
University Community Services

Blood Camp at Mehran University

The Administration of Mehran University of Engineering & Technology Jamshoro in collaboration with Fatmid Foundation organized the two days blood camp in the premises of Mehran University language Development Center. Vice Chancellor Mehran University Prof. Dr. Mohammad Aslam Uqaili inaugurated the blood camp. Vice Chancellor, faculty members, administrative officers, employees and students donated the blood so that Fatmid Foundation could utilize for the survival of 12 thousand registered patients of Thalassemia disease.

Established Mehran University Public Higher Secondary School, Jamshoro
Blood Collection Camps | Blood testing and vaccination camps
Disaster relief camps
Social Networking

MUTA Annual Gathering

A traditional annual dinner held by Mehran University Teachers Association (MUTA) in the Main Auditorium. During the ceremony Vice Chancellor, MUET and other dignitaries distributed awards among top-position holder students with applauding clapping. Credit goes to MUTA that brings the families together in large number. Vice Chancellor MUET lauded the event and advised the kids of faculty members to do work hard and give good name to you, your parents and country.

During the event, shields distributed to retired Professors Muhammad Yousuf Kumbhar, Abdul Rashid Memon and supporting Staff member Chachali aquat. A large number of faculty members, MUTA office bearers, officers and staff members participated in the ceremony along with families. Folk singers and renowned artist Qadir Bux Mitho entertained audience with their performance.
MUET Green Initiative

Tree Plantation Campaign

The tree plantation campaign began in Mehran University of Engineering & Technology Jamshoro after Plantation of sampling by the Vice Chancellor Prof. Dr. Mohammad Aslam Uqaili. The University Management has reserved a piece of land declaration it a Fruit Farm, where maximum saplings will be planted during the camping. The visiting Trade Commissioner of Australia Trade Commission, accompanied the vice Chancellor Prof. Dr. Mohammad Aslam Uqaili also planted a sampling. Among the Deans of Faculties, Chairpersons of the Departments, Registrar Dr. Tauha Hussain Ali and Director Finance Munir Ahmed Shalik, Director Works and Services Sagheer Ahmed Memon were also present on the occasion.

Automatic Waste Collection Vehicle

Implementation of Solid Waste Management System through IEEM, by providing automatic waste collection vehicle and large dustbin, March 2015

Highlights

- Provision of dustbin in all departments, January 2014
- Tree plantation drive, February 2014
- Plantation of 300 indigenous fruit trees, March 2014
- Awareness campaign for cleanliness in the university, February –March, 2014
- Establishment of Indigenous Waste Water Recycling Plant, through IEEM, August 2014
MUET QEC

In order to provide Quality Higher Education, Mehran University of Engineering & Technology is striving hard and adopted dynamic changes in the education system. Working on the mission, the University implemented Quality Management System under ISO 9001:2000 and was certified in September 2003. Quality Management System (QMS) was developed and implemented by the ISO-9000 Cell established in year 2000 and was redesigned as QEC on 15th February 2007 on the receipt of PC-1 from Quality Assurance Agency of Higher Education Commission. And its scope was extended by adding the function of implementation of Self-Assessment Mechanism in the University.

The QEC is on the way of developing quality assurance processes and methods of evaluation to affirm that the quality of provision and the standard of awards are being maintained and to foster curriculum, subject and staff development, together with research and other scholarly activities. The QEC serves as the king pin to achieve the objective of quality learning standards by auditing academic standards and the quality of teaching, learning and management in each subject area. It will promote public confidence that the quality and standards of the award of degrees, management and overall quality of knowledge being imparted by the institutions are enhanced and safeguarded.

Summary:

Quality Enhancement Cell of Mehran UET carried out activities pertaining to Quality Assurance and Quality Enhancement. The major activity of QEC is MRC in which all Quality Council Member participate and discuss different agenda related to Quality Issues. The internal Audit and External audits are conducted for confirmation of compliances made by different departments / institutes / sections. During the year 2015, QEC took efforts to complete Self-Assessment Cycle in all departments / institutes.

Back Ground:

QEC Activities

The list of activities QEC conducts every year is listed as below:

1. Management Review Committee meeting (MRC)
2. Internal Quality Audit (IQA)
3. Surveillance
4. Self-Assessment Cycle
5. Workshops, seminars, trainings Video Conferences
Management Review Committee (MRC)

Management Review Committee (MRC) consists of all sectional heads including Deans, Directors and Chairmen supervised by the Vice Chancellor to monitor the performance of all academic and non-academic sections of the university. The meetings of the MRC contain in their agenda all the activities to improve the Quality process of the university. The items of the agenda are discussed by the members of the MRC and finally the decisions take place that what corrective or preventive actions have to be taken for particular tasks. Quality Enhancement Cell makes sure the arrangements of the meetings and issues the agenda, working paper and minutes of the meeting.

Two meeting (42nd & 43rd) were held during the year 2015. Following were the items discussed in the meeting.

a) Results of Internal and External Audit reports;
b) Customer feedback;
c) Process performance and service conformance;
d) Status of preventive and corrective actions;
e) Follow-up actions from earlier management reviews;
f) Changes that could affect the quality management system.
g) Recommendations for Improvements.

The minutes issued accordingly and during sessions all Quality Council members shows their full satisfaction that system is fully intact.

Internal Quality Audit:

Internal Quality Audit of the Mehran University of Engineering & Technology is conducted by the universities own trained auditors to find out the Non-Conformities (NCs), Require Correction (RCs) & Scope of Improvement (SFI).

Quality Enhancement Cell makes sure the audit held on time and issued the Audit schedule and list of Auditors with the approval of the Vice Chancellor.

23rd Internal Quality Audit was conducted on April 7th to 10th, 2014 as per approved Audit plan. Trained auditors were deputed to all academic and non-academic sections.

Record of the findings of overall process given by the auditors given as under:

- No. of NCs (Non-conformities) 006
- No. of RCs (Requires corrections) 117
- No. of SFI (Scope for improvement) 040
Self-Assessment Practices

Self-assessment is arguably the most powerful means for an Educational organization to understand and improve its educational performance. Self-assessment is a systematic process of data driven self-reflection. It is directed towards coherent and clearly articulated goals to inform decision making and operational practices.

Self-assessment across an organization has four main components:

- Systematic data gathering
- Robust data analysis that leads to valid conclusions
- Reflective processes that involve all people in the organization
- Decision-making for ongoing improvement connected to the outcomes of a self-reflective process.

Educational organizations generate and gather a large amount of data. Analyzing and making sense of this data enables better decision making. Good self-assessment in only possible when a range of people in the organization are involved, e.g. Teachers, non-teaching staff, students and other stakeholders such as employers.

Self-assessment enables an educational organization to find out:

- What outcomes, learners are achieving and how well
- The value of the outcomes to stakeholders including learners
- The effectiveness of processes in contributing to these outcomes

By identifying strength and weaknesses of Educational Organization can develop and implement an improvement strategy resulting in actual worthwhile improvement. Mehran University is also implements the process of self-assessment in the organization to maintain and improve its performance time to time. In this regard we have made assessment teams comprising on the senior faculty members who carry out the process and make the assessment reports of all the departments/ institutes of the university. QEC is responsible to make the efforts in the preparation of these assessment teams with the approval vice – chancellor and QEC also look after the whole process of self-assessment.

ISO: 9000 Certification

Certification

The Mehran University of Engineering & Technology, Jamshoro is an ISO 9000:2008 certified education institution since 2003. The Certification is renewed after every three years.

Re-Certification

Recently the certification has been renewed for further three years from 01-10-2012 to 30-09-2015 after conduct of successful surveillance audit of 47 Departments/ Sections/ Institutes by Lloyds Pakistan.
Students
73 Undergraduates awarded Pak- USAID Scholarship

The Mehran University of Engineering and Technology, Jamshoro, has been shortlisted for award of 73 undergraduates in Engineering & Technology level by USAID under the Pak-USAID Merit and Need based Scholarship Program Phase-2. This program aims at providing equal learning opportunity and access to education for the talented students, who are unable to meet cost of education at leading Higher education institutions. The scholarships are available for admissions from December 2013 to December 2018. The funding, however, will be available up to 30th September, 2020.

Scholarships Offering Institutions, Organizations and Philanthropist

- All District Zakat & Ushar Committees of Sindh
- Sindh Association of North America Dr. Feroz Ahmed Memorial Educational (FAME)
- Education & Literacy Department Government of Sindh
- Pakistan Engineering Congress (PEC), Lahore.
- Higher Education Commission (HEC), Islamabad.
- Ministry of Religious Affairs
- Punjab Education Endowment Fund (PEEF), Lahore.
- Various Embassies
- National Bank of Pakistan
- Pakistan Engineering Council
- Petroleum Institute of Pakistan (PIP), Karachi.
- Directorate of Colleges Higher and Technical Education
  Balochistan, Quetta.
- BHP Billiton (Pakistan)
- Sindh Engineering in America
- USAID Pakistan with the collaboration of HEC, Islamabad
- Internal Merit Scholarship- MUET
- Financial Assistance- MUET
- Poverty Scholarship (Hardship) MUET
- Prime Minister’s National ICT R&D Fund

- Institution of Engineering Pakistan,
  Saudi Arabian Center.
- Professional Educational Foundation
- Sui Sothern Gas Company limited
- Kaneez Fatima Welfare Trust, Rawalpindi
- Fauji Fertilizer Company Limited
- Babar Ali Foundation, Pakistan
- Sindh Socio Economic Development Foundation
- Quaid-E-Azam Alligarh Trust
- TEXPO, IT consulting company
- Fauji Foundation, Rawalpindi
- Other 24 individual scholarships
Orientation Ceremony for 15th Batch

Prof. Dr. Mohammad Aslam Uqaili, Vice Chancellor MUET has urged the new batch (15th Batch) students to pay their entire attention to academic and co-curricular activities and say 'no' to nay-Sayers. He was addressing fresh students of 15th batch on the Orientation Day. He welcomed the new comers, saying, don’t follow the crowd-psyche and be your own man. “We hope that the end of the day we shall be able to produce efficient and professional engineers who prove to be the best product of Mehran,” he added. Dr. Uqaili said that the university would provide them conducive environment for their studies but it was entirely upon the students how to spend their time. He said that the university would focus on quality education with the active involvement of students, as MUET is a prime Engineering institution of the country. He reiterated his vision of “My University” and invited new batch students to own their class room as ‘My Class room’, your teacher as ‘My Teacher’ and so on. “This gives you a sense of ownership”, he urged.

Earlier, Dr Tauha Hussain Ali, Registrar MUET, briefed the University history.

Farewell: Life Long Moments

Jubilant moments were celebrated with Final Year Students (11th Batch) of various Departments of MUET. Prof. Dr. Mohammad Aslam Uqaili, Vice Chancellor, MUET, Prof. Dr. Tauha Hussain Ali, Registrar, Prof. Dr. Ghaus Bux Khaskhel, Dean Faculty of Architecture and Civil Engineering, Prof. Dr. Pir Roshan Shah Rashdi, Dean Faculty of Sciences, Technology and Humanities, Prof. Dr. B. S Chowdhry, Dean Faculty of Electrical, Electronic and Computer Engineering, Prof. Dr. Hafeez Ur Rehman Memon, Dean Faculty of Engineering and Chairmen of Various Departments attended the Celebration Day activities.

Dr. Uqaili while addressing the outgoing students said I am really thankful to all my students who made the history by conducting their celebration – activities in peaceful and friendly manner. They’ve given a new trend to celebration day and become the trend setter for their younger batches.
Student Recruitment Test

- Lucky Cement Factory, Final Year Students Employment Test, February 2014
- Engro Chemicals, Final Year Students Employment Test, April 2015
- Colgate and Palmolive, Final Year Students, recruitment Test, March 2015
- Dawlance Pakistan, Final Year Students Employment Test, March 2015
- WWF supported Eco & Environment Internship Program for Environment Engineering students February 2014
- Internship Test Pakistan State Oil (PSO), June 2014

Students’ Exchange Visits

Success Has No Boundaries

It is great news to share that our Erasmus Mundus application LEADERS project linking EU and Asian universities has been successful. In this round there were 150 applications for Action 2 and only 27 projects are funded. Prof. BS Chowdhry who is lead person of the project at MUET informed that this project will develop long term research collaborations between the partner universities of UK, Germany, Ireland, Poland, Greece, Italy, Romania and Cyprus. Prof Chowdhry, Dean FEECE further said that he feel honored to mention here that Acronym LEADERS (Leading mobility between Europe and Asia in Developing Engineering educations and Research) for this project was suggested by him and agreed by all partners. Reputedly MUET is the only university in Pakistan who won 4th Erasmus Mundus Project Consecutively.
One Hour with Vice Chancellor

One hour with final year students, Faculty of Architecture and Civil Engineering, Faculty of Engineering and Faculty of EECE.

Transform yourself. Don’t make excuses. You need no resources enough but the will of change in thought. Be positive, think ahead. We are all agents of change – and change is inevitable”. Says Prof. Dr Mohammad Aslam Uqaili Vice Chancellor MUET

Students Interaction

Farewell Party of Hosteller Students

Vice Chancellor Meets Hostel Students

Jamshoro, June 28 Vice-Chancellor of the Mehran University of Engineering and Technology, Professor Dr. Mohammad Aslam Uqaili has directed the hostel management and engineering wing of the institution to ensure repair in hostels as soon as possible. He reiterated that it is your (hostel-students) duty to make your premises clean. “This is not only Management’s duty but your responsibility too”, he said. During the visit Vice Chancellor examined food quality and cleanliness of kitchen room. “Your room is your home”, he goes on, “As I have termed, ‘My University’ so you label it, ‘My Hostel’ & ‘My Room’ as you own your home and your bedroom”. Dr. Uqaili also suggested for Language Learning Programs and other co-curriculum activities in hostels.

- Orientation with first years students, February 2014, MUET SZAB Campus, Khairpur Mir’s
- Evening Tea with hostlers, GM Syed and Hyder Bux Jatoi Hostel, March 2014
- Evening Tea with hostlers, Shaikh A Majeed Sindhi Hostel, April 2014
- Evening Tea with hostlers, Shah Latif Hostel, April 2014
- Evening Tea with hostlers, Shaheed Benazir Bhutto Girls Hostel,
- Orientation with first years students, January 2015
- Orientation with first years students, March 2015, MUET SZAB Campus, Khairpur Mir’s
In the 17th convocation of Mehran University of Engineering & Technology, Jamshoro, total 575 graduates were conferred degrees with 8 students were decorated with 12 gold medals and 25 with the silver medals. Chief Minister Sindh, Syed Qaim Ali Shah, Chief Guest of the occasion, addressing the graduates and audience at the annual convocation of MUET held on Dec 16, 2014, that a sum of Rs5 billion had been kept for the varsities for the ongoing fiscal year. He informed that the MUET would be given Rs300 million financial grant and Rs20 million more for setting up Shaheed Benazir Bhutto Chair in the varsity. The CM expressed the hope that the MUET’s position in the HEC ranking rises from the second to the first slot next year. CM said that the way MUET had rendered its services for the development of the Thar Coal Project; it should work with same eagerness for development of the other energy projects. He assured that Sindh government will cooperate with the MUET to establish an Engineering College in Thatta. MUET is a research oriented University; where professors are working hard to clinch research grants from UNESCO, British Council, USAID, UNEPS, and other national and international organizations which is a real target for the university to address the socio economic issues of the country. MUET try to do things which have never been done before anywhere else in Pakistan.
Extra Curricular Activities
Extra-Curricular Activities

The Enthusiasm of MUET students on “Big Event”

Various social responsibility events including free medical camp, cleanliness, tree plantation, visit of SoS village, Jamshoro, one day with Special children of Latifabad, 07 School, and Traffic Control with Traffic Police Hyderabad were held in MUET, Jamshoro under the title of “Big Event” that jointly organized by MUET and Pakistan US Alumni. Prof. Dr. Mohammad Aslam Uqaili, Vice Chancellor MUET, inaugurated the “Big Event”. Such events will aware the students to perform their social responsibilities such as enquiring health of hapless ailing people, organizing free medical camps, cleanliness in hospital wards, hostel and campus corridors, implementation of rules at traffic signals, planting trees and feeding the birds.

Under the Big Event, two hundred male and female students of various departments of the University organized free medical camp at Shoro Village, cleaned the children ward of Liaquat University Hospital Jamshoro, enquired the health of patients, played games with blind children in Latifabad Unit-7 and controlled the traffic according to traffic laws at Pakistan Chowk, Hyderabad. MUET students also sang songs, played guitars and shared folklores to orphan children of SOS Village, Jamshoro.
MUET GALA jubilations

The Three-day MUET Gala-2015 has been organized first time at MUET. The grand events of GALA’2015 jointly inaugurated by Dr. Mujibuddin Sehraj, VC Sindh Agriculture University Tandojam and Prof. Dr. Mohammad Aslam Uqaili, VC MUET. Several academic book stalls were set up there. More than 50 companies participated in the job fair: CVs received & interviews conducted from the graduates of University. Speaking at the inauguration ceremony Vice Chancellor MUET, said that the purpose behind holding Gala events is to bridge gap between academia, industry employer. Such events will create motivation among the students before entering in their professional careers. Dr. Uqaili said that employer companies were interested to set up a job fair at Karachi but we persuaded them to hold job fair at MUET and this is first ever job fair of its kind in Sindh except Karachi.

Syed Asif Hyder Shah, MUET ALUMNI/Commissioner Hyderabad and Prof. Dr. Faizullah Abassi, Vice Chancellor Dawood University, Karachi, were Chief Guests in the closing ceremony. Students of University of Sindh, LUMHS also celebrated the Gala Cultural and musical events.

Following events also held at MUET GALA’15:

- Education Fair
- Reputed Education Consultants will guide for higher education in best universities of the world
- Department Showcasing
- Innovative and Creative projects of students displayed
- Medical Camp: Blood testing & vaccination camp
- MUET Carnival’15
- Mehran (Cultural) day
- Food, Fun and Unlimited Enjoyment
Thank You
For Participation in MUET Gala 2015 Job Fair
First MUET Model United Nations

A dedicated team of students under the guidance of the faculty members took upon the mission of organizing the first ever MUET Model United Nations (MUET MUN) with the hope of creating a platform for the students to engage in a dialogue with one another, to speak in public, to argue and counter argue, to learn to listen and compromise and to understand what the world is all about.

The opening ceremony was graced by the presence of Prof. Dr. Mohammad Aslam Uqaili & Prof. Dr. Tauha Hussain Ali, patron MUET MUN. Ahtsham Mumtaz, President MUET MUN, spoke about the importance of MUN’s as a platform for developing public speaking skills and understanding the issues of the world at large. He also officially announced that this MUN was of a national scale and more than 200 delegates participated in the conference in different committees and the number of overall delegations was 40. Ahsan Shaikh, Secretary General MUET MUN of the chemical department who declared the conference opens for debate.

The conference brought together over 200 students from all the departments of the university and various other educational institutes across Pakistan such as University of Karachi (UoK), NED University of Engineering and Technology, Quaid-e-Awam University Nawabshah, National University of Science and Technology (NUST), ISRA University, Hyderabad, SZABIST Hyderabad to engage in debates and discussions over serious issues currently faced by the nations of the world.
TRANSCENDENCE - Beyond the Limits

Transcendence- Beyond the limits, a very first event of its kind at MUET, Jamshoro, setting up new thresholds for the upcoming events in the Mehran University of Engineering and Technology, held at the main auditorium on 30th September 2014. It was an event containing motivational speaking sessions, poster competition and activities that were alluring to the audience. The opening session of the event consisted of the speaking session of Dr. Tauha Hussain Ali who gave a motivational speaking session on “UNSTOPPABLE” inspiring students to work their way up, no matter how hard the problems they will have to face. The event’s main attraction was the speaking session of Mr. Umair Jaliwala, a renowned speaker and entrepreneur working in different firms which mainly focus on the betterment of leading skills of youth all around Pakistan.

Apart from the motivational speaking sessions, there was a poster competition that was held in Transcendence. In Transcendence, Humans of MUET’s MUETmosphere was inaugurated by Prof. Dr. Mohammad Aslam Uqaili, vice chancellor MUET along with Prof. Dr. Tauha Hussain Ali, Registrar and all Deans of University. Transcendence was attended by a net count of about 800 people including students of different departments, Teachers, Faculty members and Deans, directors and Chairmen of different faculties/Institutes/Departments.
Technology Initiatives
Technology Initiatives

MUET offers most modern computing and networking facilities and has the distinction of providing Internet access. High-speed Internet facility has also been provided to the users through Pakistan Education and Research Network (PERN) program of HEC. Computing laboratories are equipped with state-of-the-art servers, computers, software and allied equipment, which are also connected through LANs. An elaborate MUET Website (www.muet.edu.pk) is available for dissemination of vital information to general public, students and the faculty. It has links to the web pages of all a complete online admission/registration system for MUET Entry Test has been provided to the prospective candidates to apply for MUET.

- High Speed Internet services over fiber optic for students faculty members and staff.
- Each faculty member, staff and student gets a user ID and e-mail ID under MUET domain.
- Digital Library services through PERN.
- HEC online journals access through PERN.
- Online Courseware / Material and Presentations.
- Video Conferencing System (lectures and presentations sharing between all Universities of Pakistan through PERN).
Video Conference Hall

Video Conferencing System (Lectures and Presentations sharing) between all universities of Pakistan through PERN.

Online Admission System

Since 2014 MUET has introduced the online admission system through which students are asked to apply online to register for the entry test of the university

http://muet-admissions.com
MUET has national and international recognition as a successful, research-intensive University; the challenge is to enhance that position on an increasingly competitive international stage. Initiatives of current era are in below chart. Since MUET is keeping eye on future challenges regarding engineering, information technology, and other policy related encounters. MUET is looking forward to cope up with these. MUET has started some of intended steps including:

- Online Feedback Portal for Students
- Online Admissions, Examinations
- Re-designed University website
- Electrification of Library & Information Center
- 24 Hours Library Opening
- Introducing of Smart ID Card for Students Faculty Members and Staff
- Clean, Green and Safe Campus (Elevator & Waste Material Management Vehicle)
- University Boundary Wall in Main Campus
Finance
### FINANCIAL YEAR AT A GLANCE

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<td>(i) HEC Regular Grant</td>
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<td>(ii) HEC Supplementary Grant</td>
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<td><strong>B-Own Sources</strong></td>
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<td><strong>Total Receipts</strong></td>
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<th>Heads</th>
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<td><strong>PAYMENTS:</strong></td>
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<td>(i) Administration</td>
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<td>(ii) Teaching Departments (Faculty)</td>
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<td>(iii) Teaching Departments (Allied Staff)</td>
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<td><strong>Total Salary Expenditure</strong></td>
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<td><strong>B- Non-Salary Expenditure</strong></td>
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<td>(i) Promotion of Research &amp; Extension</td>
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<td>(ii) Staff &amp; Students Facilities</td>
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<td>(iii) Commodities &amp; Services</td>
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<td>(iv) Utilities</td>
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<td>(v) Repair &amp; Maintenance of Durable Goods &amp; Works</td>
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<td>(vi) Purchase of Durable Goods &amp; Items</td>
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<td>(vii) Examination</td>
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<td>(viii) Employees Retirement / Pension Support</td>
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<td>(ix) Other Expenditure (inclusive of S.F Operational Need &amp; Infrastructure)</td>
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<td>(x) Unforeseen</td>
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<td>(xi) Liabilities</td>
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<td><strong>Total Non-Salary Expenditure</strong></td>
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<td><strong>Total Payments</strong></td>
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\[
\text{Total Receipts} + \text{Internal Borrowing} = \text{Total Expenditure}
\]

\[
1,506.618 + 354.664 = 1,861.282
\]
Consul General of Switzerland Visited CEAD MUET

Mr. Emil Wyss, Consul General of Switzerland in Karachi Visited Centre of Excellence Arts and Design (CEAD) MUET, Jamshoro accompanied by his wife Mrs. Arie Wyss. He visited all the departments at CEAD and also delivered an Interactive Session with Students on “Cultural Richness of Switzerland and the Secret to Success”.

Mr. Brian Heath, U.S. Consul General in Karachi Visited MUET
The Consul-General of Japan visits MUET

The Consul-General of Japan in Karachi, Mr. Akira Ouchi made an official visit to Mehran University of Engineering & Technology, Jamshoro Mrs. Junko Ouchi, wife of the Consul-General Mr. Ouchi also accompanied him on this official visit. Mrs. Ouchi held a demonstration of furoshiki (traditional Japanese wrapping cloth) at MUET.

Other Visitors

- Tahir Mehmmod, Regional Business Development Manager, Australian Trade Commission, February 2014
- Mr. Michael Wang CEO/Director, Hisel Power Corporation, September 2014
- Mr. Patrick Kearins, Australian Trade Commissioner, October 2014
- Dr Hironao Takahas, Honorary Investment Counsellor, Board of Investment Pakistan, November 2014
- MsKesangDechen, Deputy Director, SAARC Documentation Center, December, 2014
- Prof. Dr. Javier Poncela, University of Malaga, Spain, December 2014
- Professor Florin PopentuVlădescu, UNESCO Chair in Information and Communication Engineering
- Mr. Ryan Weddl, Agreement Officer, USAID, February 2015
Dr. Nafisa Shah visits MUET

Dr. Nafisa Shah, MNA & Member of Syndicate MUET, has said the research work in the Universities will not see fruition if it was kept restricted to the research papers instead of practical implementation.

Dr. Nafisa Shah expressed this while visiting Textile Department. She praised the MUET’s initiative to maintain liaison with industries. “In order to ensure utility of the research, the University should use the research work in the industries for practical results”, she proposed at the occasion. Prof. Dr. Mohammad Aslam Uqaili, briefed Dr. Nafisa Shah and other syndicate members about the university’s academic achievements.

Visitors

10.1 Government of Sindh

- Syed Qaim Ali Shah Jilani, Honorable Chief Minister Sindh
- Mr. Nisar Ahmed Khuhro, Senior Minister Education, Government of Sindh
- Mr. Jam Khan Shoro, Minister, Livestock and Fisheries, Government of Sindh
- Dr. Sikandar Shoro, MPA, Sindh Assembly, December
- Mr. Faqeer Dad Khoso, MPA, Sindh Assembly
Academic Bodies

- Mr. Mohsin M Syed, Chairman, IEEEP
- Mr. Khalid Amin, Chancellor, Indus University
- Syed Abdul Qadir Shah, Chairman, Pakistan Engineering Council
- Prof. Dr. Raza Bhatti, member, Higher Education Commission
- Dr. Khalil Ahmed Abupoto, Chairman, Pakistan Science Foundation
- Prof. Dr Abdul Karim Baloch, Vice Chancellor, Quaid-e-Awam University of Engineering Sciences & Technology (QUEST), Benazirabad
- Dr. Manzoor Soomro, Chairman, ECO Science Foundation
- Dr. Mohammad Akram Shaikh, Director General, PASTIC
- Maj. Gen. Ahmed Bilal, Chairman, SUPARCO
- Prof. Dr Faizullah Abassi, Vice Chancellor, Dawood University of Engineering & Technology, Karachi
- Mr. Mukhtar Ahmed, Chairman, Higher Education Commission
- Prof. Dr Mujeebuddin Sehrai, Vice Chancellor, Sindh Agriculture University, Tando Jam,
- Maj. Gen. (r) Zaheer Ahmed Khan, Chief Executive Officer, Pakistan Steel
- Prof. Dr. Muhammad Ashraf, Chairman, Pakistan Science Foundation
- Dr. Mohammad Akram Shaikh, Director General, PASTIC
- Prof. Dr Abdul Karim Baloch, Vice Chancellor, QUEST, Benazirabad
- Syed Abdul Qadir Shah, Chairman, PEC
- Mr. Mukhtar Sheikh, Vice Chairman, PEC
**Affiliated Colleges & Institutes**

**Government College of Technology**

Government College of Technology, Hyderabad offers courses in B.Tech.(Pass) and B.Tech. (Hons.) in Civil, Electrical and Mechanical Technologies.

**The Hyderabad Institute of Arts, Science and Technology**

The Hyderabad Institute of Arts, Science and Technology, Hyderabad offers courses in BS (Information Technology) and MS (Business Information Technology). The Pre-admission Test of the candidates will be conducted by the agency prescribed by Mehran University of Engineering and Technology, Jamshoro.

**Hyderabad College of Science and Technology**

Hyderabad College of Science and Technology, Hyderabad offers courses in B.Tech.(Pass) and B.Tech.(Hons.) in Civil, Electrical and Mechanical Technologies.
About this report

This Annual Report for the year 2014-15 provides a glimpse of the activities undertaken by MUET.

Find out more about the activities of MUET at:
www.muet.edu.pk

Or write to:
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