



Newsletter

NWFP UNIVERSITY OF ENGINEERING & TECHNOLOGY, PESHAWAR

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Main Campus, Peshawar



Abbottabad Campus



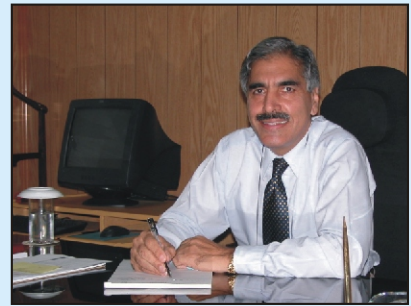
Bannu Campus



Mardan Campus

VC's Message

The year 2005 has been momentous for us, both at the national level and at the micro, university level. The catastrophe of 08.10.2005 has dealt us a devastating blow, from which the nation is still reeling. While we cannot alter the course of natural events, it is imperative that as a nation, we respond to these in an appropriate and resolute manner. And if there is a semblance of a silver lining in this tragedy, it is the gallant and generous way the people have responded, and this must be applauded.



We at UET have contributed, in our humble way, to somewhat alleviate the suffering of the nation. From blood donation, to collection and distribution of relief goods, to assessment of damaged buildings, our faculty and students have been involved.

With support from HEC, we also organized a two-day conference in Islamabad on "Seismology, Structures and Codes". Speakers and resource persons were from within Pakistan, and thirteen from overseas, who had tremendous knowledge and experience in earthquakes, relief and rehabilitation. At the end of the conference, twelve recommendations outlining a plan-of-action were submitted. These are now being debated at the highest level, and implementation strategies devised. We hope to be closely involved in the design and code-making for future construction.

With robust support from HEC, we now have thirteen development projects in progress. The total value of these is Rs.1.65 billion (one billion and sixty five crores). Our challenge now is to expand our "absorption" capacity, so that these projects come to fruition on time. Once completed, our university would metamorphose into a first-class institute of higher learning and research.

On a personal note, my two-year term is coming to a close. In my humble capacity, I have tried to take my alma mater to new heights. While history will judge if this effort was beneficial or not, I sincerely acknowledge the support that I received from the students, the faculty and administrative staff. Indeed, it has been a pleasure, and a singular honour serving with you!

God bless you all.

Syed Imtiaz Hussain Gilani



Addressing Convocation 2005 as Chief Guest, Governor Khalil-ur-Rehman stressed the need of making special efforts to further strengthen the linkages between the universities and private sector institutions, particularly industries and business concerns, and making curriculum market-oriented. He said no doubt significant headway has been made in the recent past, yet, there was a dire need to make result-oriented efforts in this respect. In all, 700 graduates obtained bachelors degrees, 13 were awarded M.Sc degrees, and one got Ph.D. Sixteen graduates got gold medals, and amongst them six were also given Presidential awards.



Stressing the need of quality education, the governor said standard of research was the main indicator of success of any institution, which unfortunately, was neglected in the past. Now due to availability of increased financial support from the government, universities should focus on the highly important aspect of studies as a means of addressing problems of society.



He paid rich tributes to the keen interest taken at the federal level, particularly by President Gen. Pervez Musharraf, Prime Minister Shaukat Aziz and Chairman Higher Education Commission, Dr. Atta-ur-Rehman. The ongoing huge projects, worth Rs.1.65 billions at UET alone was a clear indication in this respect.



Pointing towards the graduating students, the governor said, "This day was made possible by your hard work and dedication in following rigorous study schedules, which demonstrates your firm commitment to your chosen profession".

Vice Chancellor welcomed the guests and said they were working as a team with other sister institutions, as well as their faculties, and were also following a long-term strategy to develop their university. He said almost 55 students are doing their Ph.D, including 30 in foreign universities, whereas 30 more were expected to be registered for Ph.D studies in the Spring Session 2006.



He added they were expecting to have 85 faculty members with Ph.D degrees within next four years.

Awards & Gold Medal Holders



Abid Riaz, Samera Hayat, Hayat Muhammad Khan and Sarwar Khan bagged Presidential awards, apart from the gold medals, where as the rest of the gold medalists included: Muhammad Ajmal, Mujahid, Qazi Rahid Hameed, Sajjad Khan, Sardar Muhammad Alizai, Muhammad Shafique, Saeed Khan, Imran Sadiq, Muhammad Nasir Jamal, Muhammad Arif Khan, Hayat Muhammad Khan, Munawar Zaman, Imran Omer, Asif Khan, Salman Ahmad and Muhammad Jehangir Khan.



EARTHQUAKE REHABILITATION CONFERENCE

A two-day International Earthquake Rehabilitation Conference on “Seismology, Structure and Codes” was held at HEC auditorium Islamabad, on November 18-19, 2005. The conference was organized by NWFP UET Peshawar in collaboration with Higher Education Commission Islamabad, Pakistan. The objective of the Conference was to bring-in experts in related fields, brainstorm ideas and find best-fit solutions for the reconstruction and rehabilitation of quake hit areas.

The first session was chaired by Dr. Atta-ur-Rehman, Chairman, HEC. He said that proper implementation is necessary to prevent country from further human losses. He assured that HEC will provide financial and technical assistance to the conference in order to implement the recommendations.

Maj. Gen. Nadeem, Vice Chairman, Pakistan Earthquake Relief Commission, presented the overview of damages caused by 8/10 earthquake. Dr. Asif Ali Khan, DG, Center of Excellence in Geology, University of Peshawar, chaired the first technical session on “Seismology”. Dr. Qaiser Ali presentation was on disaster mitigation. He said that low seismic capacity buildings are due to low quality material, improper design and construction or buildings constructed on loose soil etc, and this will make the structure vulnerable to collapse during an earthquake.

Second technical session on “Structure and Codes” was chaired by Dr. Mohsin Iqbal, Vice Chancellor, Urdu University, Islamabad. During the session, Dr. Claudius Strobria from European Centre for Training & Research in Earthquake Engineering, Dr. Andrew Penna from Italy, Prof. Dr. Miha Tomazevic from Slovenia, Dr. Mona Lisa from Quaid-e-Azam University, and Engr. Saif Hussain, from EERI, USA presented their papers.

Dr. Sohail Naqvi, Chief Executive HEC chaired the third technical session on “Structure Codes”. During this session, international speakers presented their papers on different topics, including Prof. Dr. Mustafa Erdik from Earthquake Engineering Research Institute, EERI, USA, Prof. Dr. Zoran Milutinovic, from Institute of Earthquake



Nuray Aydinoglu, from Department of Earthquake Engineering Bogazici University, Istanbul, Turkey.

Dr Atta-ur Rehman, speaking at the concluding session, said financial assistance from international community, and technical expertise was coming to Pakistan, but it was time for universities and institutions of higher learning to play their due part. Particularly,

earthquake engineering experts, seismologists, geologists and researchers from related fields should come up with guidelines and proposals so that in the reconstruction phase, these guidelines are taken into consideration, for earthquake resistant design. He appreciated the efforts of UET, Peshawar, in taking the lead and inviting international experts. He announced that a task force will be formed under the supervision of Vice Chancellor, NWFP UET, Engr. Syed Imtiaz Hussain Gilani, that would further these proposals. He also said a plan of action should be made to implement the recommendations made by the participants of the Conference.

The recommendations were based on four themes including; Seismic hazard assessment, Seismic vulnerability of structures, building codes and disaster management. The participants perceived the need for developing national building codes, as well as its enforcement through proper legislation. The group also recognized the need for public awareness programmes having training and counseling components, so that general public can handle such situations in future. It was strongly recommended that Pakistan should strengthen its emergency disaster management system to make easy and quick access to affected areas. The need for new tectonic maps was also felt and one group recommended the redesigning of tectonic maps with improved attributes and strain rates.

Earthquake hazard assessment should be taken up on national scale as a long-term process that is supported by research and nation-wide instrumentation. In this regard, a task force should be appointed to propose the first version of hazard maps to serve the basis of hazard zonation map to be incorporated in the new



PRESS CONFERENCE HELD



The Directorate of Media & Publications arranged a briefing on 29th November 2005 to apprise the media on the outcomes of the International Earthquake Rehabilitation Conference organized by UET and HEC held in Islamabad, on November 18 & 19, 2005.

The Vice Chancellor addressed the urgent need to develop a national building code, and its enforcement. He said, seventy percent of the buildings would have remained safe in the earthquake affected areas, if they were built according to any code of construction.

While quoting one of the experts in seismology, Ms. Rebecca Bandek, he said, this region, from Nepal to the Himalyas, was situated on Indian-Tectonic plate, which is drifting towards the Eurasian plate. Due to this movement, energy is being stored that may

cause severe earthquakes in the next fifty years. Therefore, he urged to take pre-emptive steps to decrease losses as much as possible.

He further stressed use of indigenous technology and resources to meet future challenges, for which experts recommended upgradation of Earthquake Engineering Center (EEC) to Institute level. The Vice Chancellor briefed the media about the current developmental projects including “Strengthening of Peshawar Campus” and “Strengthening of Satellite campuses”, worth Rs.429 and Rs.449 million, respectively.

Dr. Qaiser Ali, presented the technical assessment report on “Seismic Disaster Mitigation in Pakistan”, and stressed the need for involving engineers in the construction phase. He said, Peshawar, according to US Building Codes, was placed in seismic Zone 4, which is the highest seismic risk zone. After his Ph.D thesis and analysis, he said, this was proved otherwise. Peshawar should be placed in Zone 2b, which has been proven by the 8/10 disaster, where not a single loss took place in the city. He stressed the need to provide correct information to the public so that they construct houses based on facts.

The conference was attended by a large number of media representatives from national and local newspapers. Besides this, representatives from advertising field and government and private news agencies were also present.

UET PROFESSOR GETS SALAM TEACHER AWARD

Dr. Jahangir Durrani, Professor, Department of Civil and Environmental Engineering, received the Salam Teacher Award for the year 2005 held at National Library Auditor-ium, Islamabad on the occasion of World Teachers' Day on 5th October. Prime Minister Shaukat Aziz was the chief guest.

UET Newsletter Team caught up with Dr. Jehangir Durrani and asked for his comments on his selection for the prestigious award.

How much a teacher influences in inculcating ethics in students

Teachers play a major role in inculcating ethics in students. I strongly believe that science and technology is not only responsible for development but high moral values also play an important role. A person lacking in love cannot be called even a human



being and teacher is a symbol of love for his students. Our real job is to guide students as they grow and mature - helping them integrate their social, emotional and intellectual growth, so that they make better decisions in their personal lives.

What are your feelings on receiving Salam Teacher Award

I feel very honoured to receive the awards. I am thankful to almighty Allah for His blessings. I am indebted to my father who

was the ex-principal of Engineering College Peshawar, a beloved and dedicated teacher.

What is your message for students

Besides technical knowledge, I always suggest my students to be very honest, and hardworking in their dealings. I also suggest them to serve humanity because service to humanity is service to Allah.

UET LAUNCHES OFFICIAL WEBSITE

- The University has launched its official website www.nwfpuet.edu.pk. The website displays updates regarding admissions, academic programmes, accommodation rules, latest events and a separate news publication link to keep general public informed with our latest activities.
- In a period of two months the website has recorded over 14000 hits from all over the world. The UET website was moved to index “2” from “5” at Google (www.google.com) and is being displayed at 1st place at Yahoo and MSN search engines. Moreover, ISC has got registration in the International Directory for Colleges and Universities(<http://www.4icu.org/reviews/3551.htm>).
- The Information Service Center (ISC) is implementing CISCO PIX 525 Fire Wall solution in order to make the UET Peshawar Network parallel to the International Standards. The CISCO PIX 525 Fire Wall is a reliable, purpose-built security appliance for medium to large enterprise networks.

TRAINING AND WORKSHOPS

- A one-day training session entitled “Karwan Pakistan” was organized at Abbottabad Campus to train volunteers for construction of dwellings in earthquake hit areas. Architect Yasmeen Lari, from Karwan Pakistan, Architect, Shahab Ghani, Chairman, PCATP and faculty and students of Department of Architecture participated. Karwan Pakistan also arranged another workshop on the 2nd Phase of Establishment of Volunteers Team for Earthquake Effected Areas”. Participants were architects, professionals, faculty members and volunteers from different institutions.
- Faculty and Students of Abbottabad Campus attended a three-day Iap-Isb chapter workshop organized at Capital Park, Islamabad. The topic was “Introduction of alternative technology for construction of new houses with indigenous materials”.
- Engr. Sadiq Akbar, Department of Mining Engineering, conducted a course on marble mining under the AKRSP (Agha Khan Rural Support Programme), held in Chitral, from 10 to 15 November, 2005
- Engr. Sadiq Akbar and Engr. Saleem Raza presented a paper on “ Problem of the Marble Industry in NWFP”, 1st Kashmir International Science Conference, held at AJK University, Muzaffarabad on 21-22 November, 2005
- Engr. Sheraz Khan, Lecturer, Telecommunication Department, Mardan Campus visited Feedback Company, East Sussex of UK for training in microprocessor, telephony and fiber optics equipments. His training duration was from 17-20 October, 2005.

EARTHQUAKE RELIEF ACTIVITIES



- Immediately after the earthquake, the University started a campaign to coordinate, and facilitate, relief efforts for the victims of quake hit areas. A Relief Cell was set up at Peshawar Campus to activities. A technical team comprising civil engineers moved to Abbottabad to work with government agencies to evaluate structural damage in public sector buildings and advise on their rehabilitation. Another team of teachers and students constituted a “UET Relief Base Camp” at Abbottabad for relief assistance. This team physically took relief goods to the victims. University employees took active part and donated their salaries for victims' welfare.
- Students of UET Abbottabad Campus actively participated in earthquake relief operation in forward basis, with the help of Pakistan Army. They were often the first relief workers to reach very difficult and remote reaches of the affected areas.

FACULTY DEVELOPMENT PROGRAMME

Twenty two faculty members will be sent abroad to pursue Ph.D studies under Human Resource Development component of developmental project “Strengthening of Satellite Campuses” approved by HEC at a cost of Rs.436 millions. Under this project Mardan, Bannu and Abbottabad Campuses will be upgraded as well. In addition to it Twenty five faculty members have already been sent abroad to pursue Ph.D studies under project entitled “Strengthening of Peshawar Campus”;

APPOINTMENTS

- Prof. Fazal Khaliq, Department of Civil Engineering has been appointed as Advisor Students Affairs.
- Engr. Mohib Ali Shah, has been appointed as Coordinator Bannu Campus.
- Dr. Noor Muhammad, Associate Professor, NWFP UET, has been appointed as Acting Chairman Mining Engineering Department.
- Mr. Amad and Mr. Yasir Malik have been appointed as lecturers in the Department of Architecture and Department of Electronics, respectively.

STUDY TOURS



- 3rd Year Mechanical Engineering students visited Pakistan Steel Mills, Karachi Shipyard, Expo-2005, KANUPP and Pak Suzuki Motors on their tour to Karachi.
- Students of 3rd year Civil Engineering visited the Water Treatment Plant on Rawal Dam under the supervision of Lecturer Engr Naveed Ahmad. Students were given a briefing about the whole process of water treatment. The students were brought to see the physical functioning of treatment plant; from collection/sedimentation to final distribution.
- A trip was arranged to Lahore for female students of UET on 2nd December, 2005 under the supervision of Lecturer Engr. Ambreen, and Lecturer Nihar Ullah, Department of Civil Engineering.

PEC VISITS MARDAN CAMPUS



Pakistan Engineering Council (PEC) members, Engr. Dr. Muhammad Akbar, Engr. Dr. Aftab Ahmad, Col. Javed and Engr. Syed Zulqarnain Shah visited UET, Mardan Campus along with Dean of Engineering, Registrar and other senior faculty. The purpose was to evaluate for accreditation Telecommunication Engineering & Computer Software Engineering Programs at Mardan Campus. Dr. Noor Muhammad, Acting Coordinator, UET Mardan Campus, briefed members of PEC about the programmes and physical facilities. The team expressed satisfaction over the technical facilities available to the students. They pointed some deficiencies to process accreditation.

SEMINARS

A seminar on “Role of education in post-disaster rehabilitation” was organized by Education Network (EdNet) at British Council. Vice Chancellor, Special Secretary Schools and Literacy Department, Mr. Shafiullah, Chairman Board of Intermediate and Secondary Education, Peshawar, Mr. Alam Zeb, Dr. Abdul Jalil of UNICEF, Dr. Qaiser Ali Khan, Assistant Professor UET, and Ms Lynne Heslo, Regional Education and Training Advisor of the British Council spoke on the occasion.

The vice chancellor said the October 8 earthquake-affected areas would take time to recover from the trauma. He said the tragedy has changed the course of history in Pakistan, and stressed utilization of indigenous resources in reconstruction and rehabilitation process, instead of copying ideas from other countries that had faced same situations in the past.

In his presentation, Mr. Shafiullah said that the government was facing difficulty in retrieving school records because the debris was not removed due to the failure of the local and federal administration.

Mr. Alamzeb Khan said that besides other problems and miseries, the earthquake had brought poverty to the affected people, and urged government to expand financial support to them but “not like Khushali Bank, where the poorest among poor has no access.”

Ms. Lynne Heslop emphasized that students affected by the worst-ever earthquake should be re-admitted to schools without any further delay to overcome their emotional trauma.

EUTA TAKES OATH

The newly elected cabinet of Engineering University Teachers Association EUTA took oath for the year 2005-06. The Vice Chancellor administered oath from the elected cabinet. Prof. Dr. Abdul Hadi took oath as President EUTA while Engr. Sardar Ali took oath as Vice President.

Prof. Abdul Hadi, in his address, assured that the elected cabinet would put all its efforts for the betterment and welfare of the university. He referred to some issues of teaching faculty including faculty accommodation, increase in UET employees’ seats for admission at colleges level and allowances for the retired teachers. He urged the administration to look into their demands.

Vice Chancellor, in his address, congratulated the newly elected cabinet of EUTA, said the teaching faculty is the strength of the university and with their support, the administration took **some steps**, for instance, implementation of semester system, abolishing self finance scheme and introduction of evening classes. He said that the administration with the help of EUTA would seriously consider the demands of teachers.

LOUGHBOROUGH UNIVERSITY'S TEAM VISIT TO UET



A three-member delegation of Loughborough University, UK headed by Prof. Neil Halliwell, Pro Vice Chancellor, University of Research Loughborough, UK, met with Vice Chancellor UET to discuss the possibilities to promote academic and research linkages between both universities.

The Vice Chancellor said five faculty members have already been placed at Loughborough to pursue Ph.D, “further collaboration with Loughborough to develop joint research, Ph.D programme and faculty strengthening would help our students to get hands-on training in the field of engineering”, he added.

While talking to the head of departments, Mr. Neil informed that Loughborough is the biggest campus in UK, offering undergraduate and postgraduate courses in engineering, social sciences and sports. It is enjoying strong relationship with commerce, business and industry. So far, he said, four thousand students are enrolled in engineering departments pursuing their graduate level studies.

He further informed that the University's main vision is to identify the market needs and respond to challenges through providing research-led-teaching and training to the students.

“The representatives from UET Peshawar will soon visit the Loughborough University to sign the MoU which will be based on 3-5 academic years”, he said. He further informed that under this MoU a joint research programme will be carried out at Loughborough involving UET researchers nominated by the University.

UET, MYONGJI UNIVERSITY, KOREA TO SET UP PAIST

Myongji University Korea, would provide technical assistance to NWFP UET in setting up a University, “Pakistan Advanced Institute of Science & Technology” (PAIST), on the model of Korean Institute of Science and Technology (KIST). This was stated by Dean External Affairs, Mr. Jong Gie Kim,

Myongji University. In a meeting held between the Korean and high officials of UET. The delegates discussed a detailed plan with NWFP UET to set up three institutions initially at the proposed university. These include Institute of Alternate Energy Resources, Institute of Bio-Engineering and Institute of Mines and Materials.

He further said Dr. Atta-ur-Rehman, Chairman HEC on his recent visit to Korea discussed with the president of KAIST the possibilities of establishing a university of science and technology based on the same model. The idea was to promote continuous economic development and industrialization of research programmes. Therefore, Korean govt has decided to provide technical assistance to Pakistani government in setting up this university. “Unlike the conventional style of universities, this university will offer research-led teaching programmes, will directly involve the experts from industries and produce professionals who will identify market needs and solve real life problems”, he added.

Director Finance & Planning, Sarwar Khan while briefing the audience said the proposed university might be built in Jalozaï where the University has already acquired land of about 400 acres.

Dean of Engineering Prof. Dr. Muhammad Mansoor Khan, Registrar, Lt. Col Retd. Imtiaz Ahmad Khan Durrani, and other senior faculty and administrative staff were also present on the occasion.



ENGR. SYED IMTIAZ HUSSAIN GILANI GETS EXTENSION

In a notification issued by Higher Education Department, NWFP the Vice Chancellor, Engr. Syed Imtiaz Hussain Gilani has been given extension in his tenure started on January 28, 2003 for another two years term.

The Vice Chancellor holds M.B.A (Finance) degree in Management by Rutgers Graduate School of Management, Rutgers University, USA and did his MS structural engineering from Asian Institute of Technology, Bangkok, Thailand.

IN FOCUS: PROF. DR. IRFAN ULLAH



Prof. Dr. Irfan Ullah obtained his MS and Ph.D degrees in 1983 and 1994 in Mechanical Engineering from the University of Michigan, USA. His Ph.D dissertation was “Optimal Synthesis of Adjustable Mechanism for Generating Multiple Continuous Paths”. In 2004, he was awarded a fellowship by HEC under which he visited University of Southampton, UK and performed post doctoral research on Modeling, Control, and Optimization of Renewable Power Generation Systems”.

Since 1984, Dr. Irfan Ullah has been associated with the teaching profession in different capacities at UET, Peshawar. Presently, as Professor at Department of Mechanical Engineering, he is involved in postgraduate teaching and research. His main subjects include Finite Element Analysis, Engineering Design Optimization, and Renewable Energy Systems Modelling.

Currently, he is the Project Director of the project, “Establishment of Institute of Mechatronics Engineering”, a Rs 38 million, HEC funded project to impart education and perform research in mechatronics.

Dr. Irfan Ullah has received many awards and honours including top positions in F.Sc. and Engineering exams. He has served as Member National Committee on Curriculum Revision (HEC) for mechanical engineering consecutively for three terms, and is a member of American Society of Engineering Education and American Society of Mechanical Engineers.

Dr. Irfan has served twice as Head of Mechanical Engineering Department and on various University committees including Finance & Planning committee, Library Committee, Admission Committee, Semester Committee and Restructuring Committee etc.

Thirteen research publications in journals of national and international repute are to his credit. Besides this, he has presented several papers on conferences, mainly including ASME Mechanisms Conferences in USA, He has also taught courses at NUST and GIKI

BRIEFS

- Lecturer Engr. Bilal Ahmad represented UET in EXPO 2005 held at Karachi and introduced the Rapid Prototyping Laboratory to different industries.
- Asst. Prof. Tahir Khan, Lect. Faraz Amjad, Lect. Umar Ibrahim, Lect. Ikram Ali Khan and Technician, Mohi-ud-din attended the orientation training course for the newly established laboratories for “specialization in Mechatronics Engineering: The laboratories installed included: CNC M/Cs and 3D Scanner Laboratory, Control Laboratory and Printed Logic circuit boards laboratory,
- Dr Azzam-ul-Assar, Professor Department of Electrical Engineering has taken over charge as Secretary BOASAR.
- Dr K.M.Yahya, Electrical Engineering Department (communications) has been appointed as Advisor Post-graduate Studies.
- Engr. Mudassar Habib has joined the University after receiving his Master Degree in Chemical Engineering from University of Loughborough, UK.

MOUNTAIN RALLY HELD



Asst. Prof. S Riaz ul Hassnain, Abbottabad Campus, participated in the country's first ever 4x4 Mountain Rally (Kalam-Mahudand). During the event they also arranged three medical camps, planted 2500 saplings of walnut and pine in and around Kalam, and also did environmental clean up activities after the rally was finished.

With compliments

*Directorate of Media & Publications,
NWFP University of Engineering & Technology Peshawar.*

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