

Newsletter

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University of Engineering &
Technology, Peshawar, Pakistan

Patron: Engr. Syed Imtiaz Hussain Gilani, Vice Chancellor

Mardan Campus



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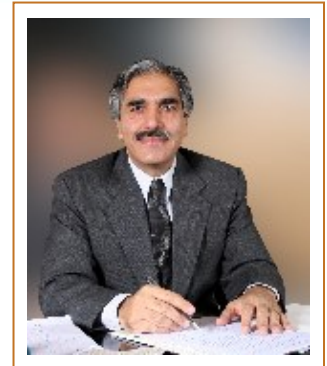
Vice Chancellor's Message

This volume of the Newsletter coincides with the close of another successful academic year. HEC, however, was buffeted with severe political jolts, impacting affairs of universities. The storm has some-what abated, and we hope the future is charted out with a clear vision and road-map.

At UET Peshawar, we have been fortunate, and most activities were not severely affected. All our projects are running apace, and our human-resource is constantly being bolstered. We now have a Ph.D faculty of over 60, and 104 are currently enrolled in doctoral programs overseas.

We are readjusting our sights, and are striving to make UET Peshawar a more "engaged" university; engaged with the community and industry, and a credible conduit for "knowledge transfer" that culminates in prototypes that address people-issues. I have had a series of meetings with faculty members, and appreciate the enthusiasm they have shown for this initiative.

With the inherent intellect and brainpower of our researchers, I am confident, we at UET Peshawar can make a difference in finding solutions to fundamental problems bedeviling us for long.



Engr. Syed Imtiaz Hussain Gilani



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Cambridge University to Offer 50% Fee Waiver on the costs of Ph.D to UET Scholars

An MoU was signed between the University of Engineering & Technology (UET), Peshawar and the Cambridge University UK on 28th March 2010 according to which Cambridge University has agreed to offer 50% discount on the costs of Ph.D full scholarships for up to 5 graduates of UET per year. Both the Universities will engage in collaborative research projects working together in terms of achieving world-leading research outputs. In the initial period, three priority research areas were agreed upon in which joint research projects will be carried out through its Ph.D. scholars and research faculty members. The prime areas to be focused will include Energy and water, Urban infrastructure planning and earth quake engineering. Engr. Syed Imtiaz Hussain Gilani signed the MoU in Cambridge University during his visit to UK in a delegation of Vice Chancellors sponsored by HEC and British Council. Earlier Prof. Dr. Sohail Naqvi appreciated the efforts of UET Peshawar for establishing academic link with the Cambridge University which is top of the line in the world. He emphasized the importance of this link with regards to the country in general and KPK in particular. He promised for extending his full support to make this academic link successful and announced 6 months full HEC sponsorships to all the Ph.D. scholars of UET Peshawar to undertake research at Cambridge while studying their doctoral research under indigenous Ph.D. Programs.



Vice Chancellor Engr. Syed Imtiaz Hussain Gilani and Cambridge University Officials signing the MoU

Afghan Delegation Seeks UET Peshawar's Assistance

A delegation of the Chancellors and senior members of academia from various universities and public policy research centers of Afghanistan visited the University of Engineering & Technology Peshawar to seek technical assistance in uplifting the standard of university education in Afghanistan. Vice Chancellor UET Peshawar, Engr. Imtiaz Hussain Gillani flanked by the Dean, Dr. Azzam ul Asar, Advisor Finance & Planning, Muhammad Sarwar Khan and senior members of the faculty welcomed the delegation. Engr. Imtiaz Hussain Gillani in his welcome address highlighted the common bonds that the two countries shared and the role that UET is

playing in imparting quality engineering education to Afghan students. He said that around 30 students from Afghanistan are getting world class engineering education in various disciplines. In his speech on the occasion Engr. Imtiaz Hussain Gillani underscored the role that the Gemstones Development Center and Earthquake Engineering Center can play in the economic uplift & development of trained human resource of not just Afghanistan but the whole region. Afghanistan is gifted with abundant wealth of natural resources in the form of gems & minerals, he said, and its exploitation by the Afghans for the Afghans can change the destiny of this country. The Advisor Finance & Planning, Muhammad Sarwar Khan briefed the delegation about UET Peshawar and the facilities that it is extending to Afghan students.

Speaking on the occasion, Prof. Hamidullah Amin, head of the delegation and Chancellor Kabul University thanked the VC UET Peshawar for the efforts in imparting education to Afghan students. While speaking on the occasion he said that Pakistan and Afghanistan share a unique history and common heritage and our geography gives us great advantages which need to be exploited. He said that Afghanistan, more than anything needs assistance in lifting the standard of its education especially at university level. He mentioned the challenges that University education is facing in Afghani-



Group photo of afghan delegation with the Vice Chancellor during their visit to UET



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stan especially the dearth of qualified faculty to impart education at Afghan universities. A number of Afghan nationals are undergoing training and education at universities in India & Tajikistan under its faculty development program, he said. He regretted the absence of such an initiative between Pakistan & Afghanistan, which owing to the common history & heritage and close proximity of the two countries seems like a natural choice. He along with the rest of the members of his delegation requested UET Peshawar's

assistance in faculty development for Afghan universities.

The VC UET Peshawar offered five post graduate scholarships to the faculty members of Afghan Universities each year and an MoU was signed with the Afghan delegation to this effect. The Afghan delegation expressed their gratitude and aspirations for cooperation in the future. The VC, UET Peshawar, Engr. Imtiaz Hussain Gillani presented crests to the members of the delegation on the occasion.

MoU between UET and Tourism Corporation of Khyber Pakhtunkhwa

The University of Engineering and Technology Peshawar, and the Tourism Corporation of Khyber Pakhtunkhwa signed a memorandum of understanding to jointly hold an exhibition of paintings of internationally renowned artist, social worker and philanthropist, Mr. Jimmy Engineer.



Vice Chancellor UET and GM Tourism Corporation signing the MoU

The MoU was signed by the Vice Chancellor UET Peshawar, Engr. Syed Imtiaz Hussain Gilani, and Mr. Mushtaq Ahmad Khan, General Manager, Tourism Corporation Khyber Pakhtunkhwa, (who is also the Director Culture Government of Khyber Pakhtunkhwa), in a ceremony at the Conference Hall of UET Peshawar. Mr. Zahoor Durrani, consultant to the Tourism Corporation of Khyber Pakhtunkhwa, would act as the focal person for organizing the exhibition in coordination with Mr. Talat Hussain Khatri. Who will be the focal person on behalf of Mr. Jimmy Engineer. The Tourism Corporation of Khyber Pakhtunkhwa will use the good offices of Engr. Syed Imtiaz Hussain Gilani with Jimmy Engineer to organize this event. Jimmy Engineer had expressed his desire to do something for the people of Khyber Pakhtunkhwa in recognition of their bravery and courage in these tough times. The renowned international artist will gift as much as eighty prints of paintings to Khyber Pakhtunkhwa. The event will also help promote the culture of fine arts in the province.

Earlier Mr. Mushtaq Ahmad Khan, General Manager Tourism Corporation, lauded the efforts of Engr. Syed Imtiaz Hussain Gilani in promoting tourism and cultural activities in the province while he was a provincial minister in the Government of Khyber Pakhtunkhwa. Engr. Syed Imtiaz Hussain Gilani advocated the opening up of places of

cultural and historic value to the general public, which has yielded positive results and the government of Khyber Pakhtunkhwa, has agreed to open various places of historic value to the general public, previously under government use.

The Vice Chancellor, Engr. Syed Imtiaz Hussain Gilani briefed the GM Tourism Corporation regarding UET's efforts for celebrating the "Pakistan China Friendship Year" and discussed a number of ideas that can be firmed up to mark the year 2011 as "Pakistan China Friendship Year". It was agreed in the meeting that the Department of Culture, Government of KPK, and UET Peshawar, will chalk out the framework for celebrating the Pak-China friendship year in Khyber Pakhtunkhwa. The ceremony was attended by the Dean Faculty of Engineering, Dr. Azzam-ul-Asar, Registrar, Professor Abdul Jabbar, Advisor Finance & Planning, Muhammad Sarwar Khan and senior members of the faculty.

MoU between UET and Own-a-Student Organization (OAS)

University of Engineering and Technology, Peshawar, and Own-a-Student Organization (OAS), signed a memorandum of understanding (MoU) for collaboration to extend education opportunities to needy students who cannot afford higher education. The MoU was signed in a ceremony held at the Conference Hall of UET Peshawar, chaired by Prof. Dr. Azzam ul Asar, Dean, Faculty of Engineering, UET Peshawar. Prof Khalil Abbas Khattak, Chief Executive, of the OAS briefed the audience about the mission and objectives of the organization. OAS will initially focus on the conflict zones of Khyber Pakhtunkhwa, including FATA, to select students for scholarships. This initiative will eventually be extended to the whole of Pakistan. Prof. Khattak also added that OAS has no national or international



Dean, Faculty of Engineering, UET and Chief Executive OAS signing the MoU



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donors and most of its resources have been from his own sources. He thanked the University in helping identify deserving students for OAS scholarships.

Prof. Dr. Azzam ul Asar welcomed the initiative and assured full support to promote the noble cause of OAS. Speaking on the occasion Muhammad Sarwar Khan, Advisor Finance & Planning, Prof. Dr. Saeed ur Rehman, Prof. Dr. Qaisar Ali and Prof. Dr. Iftikhar Ahmad Khan highlighted the importance of organizations like OAS in society. The ceremony was attended among others by the Registrar Prof. Abdul Jabbar, all heads of the departments, faculty members and students.

Robotics Competition held at Institute of Mechatronics Engineering

A fire-fighting robotic competition was held at the Institute of Mechatronics Engineering in Hayatabad on March 16th, 2011. The competition was arranged by the Robotics Club of Engineering University. A total of eight student teams participated in the competition whereas each team comprised of a maximum of four students. The participating teams were tasked to create a robot from the ground up, which would extinguish 5 candles in a predefined arena. The robot which would do this task in the minimum time would be declared winner. A robot designed by Saad and Haseeb of 6th semester Mechatronics engineering took only 42 seconds to extinguish all the candles and was declared winner. Fawad Rauf, Ihsan and Sohail from 8th Semester Mechatronics engineering came up with a robot which accomplished the task in 70 seconds and they were adjudged runners up. Usman, Murad, Anosh and Mohsin's robot secured third position. The event was highly lively and full of fun and excitement as exuberant students cheered the participating teams.

Engr. Zubair Ahmad, In-charge Robotics Club in his opening remarks welcomed the guests on the occasion and briefed them about the details of the event and evaluation criteria set for the competition. The Dean, Faculty of Engineering, Dr. Azzam-ul-Asar was the chief guest on the occasion. In his address to the audience he commended the efforts of Engr. Zubair Ahmad and Dr. Sayed Riaz Akbar Shah in organizing such an exciting and highly technical competition. He termed the event as one of its kind in the history of Khyber Pakhtunkhwa and urged organizers to keep on organizing such events more frequently and with different themes. He was all praise for the participating students on coming up with such novel and high tech



Prof. Dr. Azzam ul Asar, Dean Faculty of Engineering giving shield to the winners, Saad and Haseeb

designs. He vowed to support and patronize such events in future. In the end he distributed certificates and cash prizes among the winners.

Poster Presentation held at UET Peshawar

A Poster presentation session was organized by the Department of Chemical Engineering in the Main Hall of University of Engineering and Technology Peshawar on 19th January 2011. The Dean, Faculty of Engineering Prof. Dr. Azzam-ul-Asar was the Chief Guest on the occasion.

Projects on Energy and Environmental audits of local industries, and experimental engineering designs were presented by the students of 7th Semester of Chemical Engineering Department. A total of eleven Posters were presented. Dr. Muhammad Ali Kamran of Mechanical Engineering, Engr. Misbah Ullah of Industrial Engineering, and Engr. Mansoor-ul-Hassan Shah of Chemical Engineering were on the panel of judges.

The project "Energy Audit of Kohat Cement" by Mr. Amjad Ali, Mr. Sultanat Khan, Mr. Fawad Khan, Mr. Abdul Ghaffar, and Mr. Muhammad Salman was adjudicated as the Best Poster presentation for the Semester Fall 2010.

Prof. Dr. Azzam-ul-Asar appreciated the work of the students of chemical engineering department and highlighted the recent developments at UET Peshawar regarding energy conservation and environment. He mentioned the newly established Policy Research Cell, which would advise public and private sectors on energy and environmental conservation issues.

Sports

Week Long Annual Sports Gala at UET Peshawar

The annual sports week kicked off on March 14th in a festive and lively ceremony held at the VC Lawn. The Vice Chancellor, Engr. Syed Imtiaz Hussain Gilani was the chief guest on the occasion. The sports week featured ten departments of the university compete in cricket, football, volleyball, basket ball, badminton, table tennis, lawn tennis and athletics. However, female students only competed in table tennis and badminton events.

Before the commencement of the ceremony the Vice Chancellor, Engr. Syed Imtiaz Hussain Gilani was accorded a warm welcome by the students upon his entry into the VC lawn. He was presented with bouquets and showered with flowers. Subsequently students from all the departments entered the VC lawn dressed in their departmental colors and carrying flags and mottos of their respective departments. The Director Sports, Mr. Muhammad Ali, in his welcome address highlighted the value and importance of sports in complementing the academics of students in a positive way. He regretted that the annual sports week couldn't be held for the last seven years owing to the introduction of semester system and prevailing law and order situation. Engr. Imtiaz Hussain Gilani prom-



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ised to make this event a regular in the coming years. He said that the students and faculty of the university did take some time to adjust to the demands of the semester system, and now that the system has matured, we can resume with sports events like these. The Vice Chancellor said that the importance of sports in our physical and mental well being can't be emphasized more. It is a well established fact that "a sound body has a sound mind" and sports are pivotal to having a sound body. Engr. Imran Khan Swati, administered oath to all the participating players and athletes and subsequently the Vice Chancellor declared the games open. The games lasted for one week. The department of electrical engineering secured 1st position, while mechanical engineering department and the institute of mechatronics engineering grabbed 2nd and 3rd positions respectively. Mr. Sahibzada Hidayat was declared this year's best athlete.



Students during the opening ceremony of Annual Sports Gala

Students' Activities

First Undergraduate Fulbright Scholarship

Tariq Usman Saeed joined spring 2011 semester at Department of Civil Engineering after successful completion of Fall 2010 semester at University of Idaho, Moscow USA. He was selected for one semester non-degree course study in USA under Global Undergraduate Exchange Program 2010 by Fulbright Commission Pakistan. He is the first undergraduate Fulbright scholar from UET



Peshawar. During his stay in US, Mr. Tariq Usman worked on the design of wastewater treatment facility and irrigation system for 27 acres area of Farragut State Park, North of Idaho. He received immense appreciation for his work and was awarded the best project presentation prize.

Tree Plantation, Spring 2011

The Vice Chancellor University of Engineering and Technology, Syed Imtiaz Hussain Gilani kicked off this year's spring tree plantation by planting a sapling of "Marwa" in the Institute of

Mechatronics Engineering at Hayatabad Peshawar. He was accompanied by the Dean Faculty of Engineering, Dr. Azzam-ul-Asar, Registrar, Prof Abdul Jabbar, Director Institute of Mechatronics Engineering Dr. Riaz Akbar Shah and senior members of the faculty who also planted saplings in the institute.

Afterwards they prayed for the nation's prosperity and solidarity and said that plantation is our national obligation, which is not only essential for environment but also plays a pivotal role in the nation's economy. He urged the participants to participate in the plantation campaign whole heartedly. During this year's campaign hundreds of saplings will be planted in the allied campuses of UET.

UET Scholar's Work Appreciated at Mid-America Earthquake Center, Illinois Urbana-Champaign

Engr. Khan Shahzada, Ph.D scholar in the department of civil engineering returned after his stay at the Mid-America Earthquake (MAE) Center of the Civil and Environmental Engineering Department at the University of Illinois at Urbana-



Champaign. During his stay at the center Engr. Khan Shahzada, besides taking graduate courses, undertaking research work and attending seminars, gave presentations on the seismic assessment of buildings in Pakistan (Case study area: Abbottabad City) and on the experimental test of full scale unreinforced masonry structure in Peshawar. During the course of his research he developed hazard map for Abbottabad city based on standard penetration test (SPT) and multi-channel analysis of surface waves (MASW) test results using NISRAF software and Sheng-Lin Lin technique. He also developed fragility curves for different building types in Pakistan using capacity spectrum method. He received great appreciation for his work at MAE, University of Illinois at Urbana-Champaign.

Mardan Campus Team Wins Best Conceptual Design Prize at "Design, Build and Fly Competition" GIKI, Topi

A team of five students from telecom department, under the supervision of Dr. Imran Khan came up with a model design that could justify the mission parameters set by the "6th Design Build and Fly Competition" held at Ghulam Ishaq Khan Institute, Topi. This was the first time a team from UET Mardan Campus competed in a National scale event. The team built an ultra-light weight model plane, "The Apple". It was constructed in a private workshop by the group members Usman Ali, Farman Ellahi, Fahad Akeel (Team Leader), Waleed Aftab and Sammar Abbas under the guidance of Dr. Imran Khan. "The Apple" named for its simplicity, won a lot of indebtedness for its design and performance. It successfully completed its tasks specified for the electrical category. "The Apple" was awarded best conceptual design prize and a consolation prize of appreciation by the Air Commodore (retired) Sajjad Haider, the chief guest on the occasion and a member of the judging committee.



Research/Conference Papers

- Maryam Mahsal Khan et al, "Singularity Spectrum Analysis of Windowed Seismograms", *Frontiers of Information Technology (FIT)*, December 21-23, 2010, ACM, Islamabad, Pakistan.
- Maryam Mahsal Khan et al, "A Novel NeuroEvolutionary Algorithm - Cartesian Genetic Programming Evolved Artificial Neural Network (CGPANN)", *Frontiers of Information Technology (FIT)*, December 21-23, 2010, ACM, Islamabad, Pakistan.
- Summayea Salahuddin, Maryam Mahsal Khan, "Object Categorization Using CGP and CGP Evolved ANN", *International Conference on Computer Applications & Industrial Electronics*, December 5-7, 2010, Kuala Lumpur, Malaysia.
- Maryam Mahsal Khan et al, "Evaluation of Markovian and Non-Markovian Control Problem by CGP based Recurrent Networks", *International Conference on Intelligence Systems Design and Applications*, November 29-December 1, 2010, Cairo, Egypt.
- Hameed Ullah Khan, Khizer Farooq, Nasir Ayub, Sajjad Hussain and Muhammad Asif Manzoor, "Constant Inter Vehicle Distance Maintenance System", *International Conference on Intelligence and Information Technology*, October 28-30, 2010, Lahore, Pakistan.
- Salim Ullah, Ali Zahir, Muhammad Awais Khan Jadoon, M. Asif Manzoor, Mohsin Murad, K. M. Yahya and G.M.Hassan, "FPGA Implementation of FHSS-BPSK Modulator", *International Conference on Intelligence and Information Technology*, October 28-30, 2010, Lahore, Pakistan.
- Salim Ullah, M. Asif Manzoor, K. M. Yahya et al, "An Efficient Communication Architecture for FPGA Based Many Core System", *International Conference on Intelligence and Information Technology*, October 28-30, 2010, Lahore, Pakistan.
- Muhammad Uzair, Amaad Khalil, Mohsin Murad, Arif Ali Shah, Syed M. Ali, Khawaja M. Yahya and G. M. Hassan, "Environmental Monitoring and Control System for a Poultry Farm Using Wireless Sensor Network", *International Conference on Intelligence and Information Technology*, October 28-30, 2010, Lahore, Pakistan.
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- Naveed Iqbal, Ajmal Khan et al, "Performance Analysis of Soft and Hard Handovers based on UMTS QoS Traffic Classes", *International Conference on Intelligence and Information Technology*, October 28-30, 2010, Lahore, Pakistan.
- Ihsan Ul Haq et al "Survey and Challenges for Optical Burst Switching Networks: A High Data Rate Network for Future Internet", *International Conference on Intelligence and Information Technology*, October 28-30, 2010, Lahore, Pakistan.
- Ihsan Ul Haq and Khawaja M. Yahya, "QoS Analysis of VoIP over IEEE 802.11g Network", *International Conference on Intelligence and Information Technology*, October 28-30, 2010, Lahore, Pakistan.
- Imran Ashraf, Ghulam M. Hassan, K. M. Yahya, Syed Aamir Ali Shah, Salim Ullah, Asif Manzoor, Mohsin Murad, "Parameter Tuning of Evolutionary Algorithm by Meta-EAs for WCET Analysis", *International Conference on Emerging Technologies*, October 18-19, 2010, Islamabad, Pakistan.
- Muhammad Asif Manzoor, Muhammad Farooq, Syed Aamir Ali Shah, Arif Ali Shah, Salim Ullah, Abdul Bais, G. M. Hassan, Khawaja M. Yahya, "Real Time Image Registration Based on Feature Tracking using a Digital Signal Processor", *International Conference on Emerging Technologies*, October 18-19, 2010, Islamabad, Pakistan.
- Waqas Ahmad, S. Ali Hassan, M. Abeer Irfan, Abdul Bais, G. M. Hassan, Syed Aamir Ali Shah, Khawaja M. Yahya "Design and Implementation of Real Time LPR System on a Fixed Point DSP", *International Conference on Emerging Technologies*, October 18-19, 2010, Islamabad, Pakistan.
- Syed Afaq Ali Shah, K. M. Yahya, G. Mubashar et al, "Quantification and Visualization of MRI Cartilage of the Knee: A Simplified Approach", *International Conference on Emerging Technologies*, October 18-19, 2010, Islamabad, Pakistan.
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- Mohammad Ashraf, Akhtar Naeem Khan, Amjad Naseer, Khan Shahzada, 2010. "An Analytical Model for the Seismic Performance Evaluation of Unreinforced Masonry Building Reinforced with Wire Mesh", *The 13th Japan Earthquake Engineering Conference*, 2010. Tsukuba Japan, Page 4099-4105.



SEMINARS & WORKSHOPS

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Corruption Termed Security Risk

A one-day seminar on "character building" was organized by the Character Building Society UET Peshawar in collaboration with National Accountability Bureau (NAB) at Main Hall UET Peshawar on March 15th, 2011.

Corruption is the biggest security risk for the country as Pakistan ranked 34th among the most corrupt countries as per the corruption perception index, said NAB's provincial Director General Brig (R) Muhammad Musaddiq Abbasi.

He said that the Iranian government had rightly defined corruption as "Fasad Fil Arz". To discourage mal-practices and put the country on the right path, Mr. Abbasi said that institutions must be strengthened and allowed to work within their respective domains.

He said that six universities of the Khyber Pakhtunkhwa had already established character building societies, which would be extended to

college, school and grass-root level under NAB (KPK) Awareness and Prevention Regime.

Other speakers at the function said that corruption had weakened the basis of the country and it could be eradicated through character building of the new generations.

Others who spoke on the occasion included UET Vice Chancellor Engr. Syed Imtiaz Hussain Gilani, Director Islamic and Arabic Research of Sheikh Zaid Islamic Center, Peshawar, Dr. Qibla Ayaz and a student Bilal Ahmad.

Mr. Ayaz called for adoption of high moral values such as truthfulness, forgiveness and honesty, and giving up evil habits of fraud, cruelty and revenge, etc to establish our credibility as a dignified nation.

Mr. Gilani praised the Character Building Society of the University and the NAB (KPK) for their positive activities and assured them support in their fight against corruption. The function was followed by a walk inside the University wherein students held banners and placards inscribed with anti-corruption slogans.



Dr. Qibla Ayaz, Director IAR, Sheikh Zaid Islamic Center, DG NAB Brig (R) M. Musaddiq Abbasi and Vice Chancellor UET Engr. Syed Imtiaz Hussain Gilani Speaking on the occasion

Workshop on "Communication Skills" & "Microteaching" at Continuing Engineering Education Center

A six days training under Professional Competency Enhancement Program for University Teachers (PCEPT), sponsored by HEC Islamabad, was organized by the Continuing Engineering Education Center, from March 14, 2011 till March 21st, 2011. The workshop covered two modules, Communication Skills and Microteaching (Theory & Presentations) which were covered in eighteen sessions, each of one and a half hour duration. Prof. Ms. Chand Rahman of National University of Computer and Emerging Sciences (FAST) Peshawar, and Dr. Afzal Khan, Asstt. Professor, Department of Mechanical Engineering, UET Peshawar conducted the modules of Communication Skills and Microteaching (Theory & Presentations), respectively.

The conclusion ceremony of the training course was held on March 22, 2011 at CEEC with Acting Vice Chancellor/Dean, Faculty of Engineering, UET, Prof. Dr. Azzam-ul-Asr as Chief Guest on the occasion. In his speech, Dr. Azzam said that such training workshops play an important role in the professional enhancement of individuals and asked the participants to apply the techniques in their professional life.

Mr. Farmanullah Anjum, Regional Director HEC, also expressed his views on the occasion. He congratulated the course participants on their successful completion of the training sessions. The Director CEEC, Engr. Syed Asif Ali Shah appreciated the interactive and meaningful contribution of resource persons and the participation of participants for making the training a success. Later on Prof. Dr. Azzam-ul-Asr distributed certificates among the course participants.

Free Skill Development Workshop for Students on "Microcontroller & its Applications"

UET Abbottabad Campus, in collaboration with National Institute of Modern Languages Abbottabad arranged a one-day free workshop for students on "Microcontroller & Its Application" on 26th March 2011. More than 100 students along with faculty members from various universities and technical Institutes participated in this workshop. Chairman Electronics Engineering Department, Dr. Riaz-ul-Hassnain was the Chief Guest on the occasion. Engr. Haidar Zaman, Lecturer electronics engineering department and Mr. Mohsin Khan, student of electronics engineering department were the resource persons for the workshop. This workshop was planned for engineers, students, associate engineers and enthusiasts.

Seminar on "New Generation Non-binary LDPC Codes"

The Department of Electrical Engineering and Department of Computer Systems Engineering organized a seminar on "New Generation Non-binary LDPC (Low-Density Parity Check) Codes" on 31st March 2011 in the department of computer systems engineering, UET Peshawar. The speaker was Dr. Bilal Shams from Department of Computer Systems Engineering, KUST, Kohat, who received his Ph.D degree in "Error correcting LDPC codes" from Cergy-Pontoise, France in December 2010. The seminar was aimed at exploring the domains of Information Theory and Coding & introducing the class of non-binary Low Density Parity Check coding. Attendees included faculty and students from Department of Computer Systems Engineering, Electrical Engineering and Telecom Engineering.



In Focus: Dr. Shahbaz Khan

Dr. Shahbaz Khan did his B.E. in Computer Systems from National University of Sciences and Technology, Pakistan. In 2005 he went to the UK for studies towards his PhD. He joined the Wireless Networks and Communication Centre (WNCC) at Brunel University, UK. He was awarded PhD for his research in the field of wireless networks in 2009. His research mainly focuses on rate-adaptation schemes for multi-rate systems, routing protocols for IEEE 802.11e based MANETs and cross-layer optimization techniques. During his PhD, he was involved in a research project as part of a large technical consortium funded by the European Commission. He has published his research in peer reviewed journals and research conferences.



Dr. Shahbaz Khan joined the Telecommunication Engineering department of UET Mardan campus in 2009 and is currently working as assistant professor in the department. He also holds the additional charge of the chairman of the department of telecommunications engineering. He is on the HEC's panel of approved Ph.D. supervisors' in the field of electrical and telecommunications engineering. He has regularly served as a reviewer for IEEE Communication Society research journals and conferences like PIMRC, GlobeCom and ICC.

Apart from teaching and research Dr. Shahbaz is an avid sports lover and a good tennis player. His presence in Mardan campus has always been a booster to good extracurricular activities. He loves to go out for hiking and trekking.

- Dr. Khan Muhammad, Assistant Professor Department of Mining Engineering successfully completed 15th Master trainers Faculty development program at HEC Islamabad from 25th January 2011 to 19th March 2011.
- UET Abbottabad Campus library becomes the first library of KPK which is fully automated using comprehensive library software (Lib Max with multiple features) for all the library operations. Facility of digital library and videos of class lectures of faculty members of UET ATD Campus are also available on intranet for the users through this library software Lib Max. In near future, we are going to introduce RFID technology in the Library.
- The Continuing Engineering Education Centre (CEEC), UET conducted two five-day professional courses on "ANSYS Workbench 11", and "MATLAB" to enhance the knowledge and skills of practicing engineers. The courses were conducted from 21st to 25th March, 2011 and 1st to 5th April, 2011, respectively. Majority of the participants were nominees of industries like Heavy Mechanical Complex Taxila, Air Weapon Complex (AWC) Kamra, PDA Peshawar, and Directorate of Nuclear Power Engineering Reactor (DNPER), Islamabad. The courses were well received and appreciated by the participants and their organizations.
- The Chairman, faculty and students of department of electronics engineering attended a three day workshop on "MATLAB Based Power Engineering". The workshop was organized by the Comsats Institute of Information Technology, Abbottabad.
- Research Evaluation Committee (REC) of Engr. Safi-ur-Rehman, lecturer of Department of Mining Engineering was held on 7th January 2011.

Welcome Aboard

- Engr. Adeel Arshad has joined Civil Engineering Department as lecturer after completion of his MS in Earthquake Engineering and Engineering Seismology from Rose College of Earthquake Engineering, University of Pavia, Italy.
- Engr. Zeeshan has joined Civil Engineering Department as lecturer after completion of his MS from George Washington University, USA. His master thesis was "Traffic Operation and control during evacuation conditions: An integrated management system with multi-level coordination".
- Prof. Dr. Jehangir Mirza has joined the Department of Agriculture Engineering as foreign faculty under HEC foreign faculty program.

With Compliments

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