



Newsletter

NWFP UNIVERSITY OF ENGINEERING & TECHNOLOGY, PESHAWAR

Patron: Syed Imtiaz Hussain Gilani (VC)

Editor : Sharmilla Farooq

Issue No. 11

January - March 2007

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Main Campus, Peshawar



Abbottabad Campus



Bannu Campus



Mardan Campus

New Year Message

A very happy and prosperous 2007 to you all! The year 2006 was most satisfying for us, and we are excited by the potential the New Year holds in store. After some minor hiccups due to limited capacity, our development projects have now reached steady-state and are running smoothly.



Video-conferencing facility is now functional and adds another dimension to our knowledge dissemination. Students evaluate teachers through an "invisible" system. Now they have made software, with all the access and security protocols, in which they evaluate digitally. Our Consultancy Cell is now in full swing and has already earned a few contracts. It is a matter of satisfaction that we held many conferences, symposia and seminars during last year, specially, since our students were intimately involved.

NWFP UET owns a tract of land in village Jalozei near Peshawar. That was for a myriad of reasons not optimally employed. We are now hopeful that with the support of the Planning Commission and HEC, our dream of establishing a world-class campus there can materialize. The Governor has desired that a campus should be established in FATA. The most likely location is Bajour Agency, and we are preparing a PC 1 for HEC's approval.

I take this opportunity to thank all our stakeholders for their unflinching support. This includes the Governor NWFP, HEC, Planning Commission and of course, my very able team at UET. I would also like to acknowledge the excellent work done by the "department heads" (HoD's), and the correspondents here in Peshawar, and the satellite campuses, for feeding the Newsletter. And finally I thank the students and faculty for making 2006 such a memorable year, and know you will make this year even better.

God bless you all!

Syed Imtiaz Hussain Gilani

10TH CONVOCATION 2006

GOVERNOR ASKS NATION BUILDERS TO MEASURE UP GROWING TECHNOLOGY DEMANDS



NWFP UET held the 10th Convocation on November 22nd 2006. NWFP Governor Lt. Gen. Ali Muhammad Jan Aurakzai, the Chancellor of the University, said the federal government has been laying emphasis on higher education, and it has made a phenomenal increase in funds for public sector universities from Rs. 600 million to Rs. 22 billion per annum over the past few years.

The Governor said engineers are considered builders of nations, and their prime responsibility is to measure-up the growing technological demands of society, and to improve the quality of life particularly for those living in rural areas, by optimum application of their knowledge and skills.

Highlighting the importance of higher education he said... "although we have done reasonably well during the recent past, we are still far away from the developed world in the field of engineering, and therefore, have to do a lot in this respect". He appreciated the University for its commendable performance and said, besides bringing improvements in under-graduate programmes of studies, it has also made remarkable progress in postgraduate education.

Addressing the graduating engineers, the Governor said that the world is changing at a fast pace and technology is making rapid strides. If Pakistan is to survive as an honorable member in the comity of nations, we have to keep pace with the rapidly advancing world and keep our knowledge up-to-date. Having received degrees, the Governor said, is not the end of the learning process and from here onward, they have to embark upon a new journey in their practical lives.

The Vice Chancellor, Engr. Syed Imtiaz Hussain Gilani welcomed the guests and said a paradigm shift has been made from conventional education

to a practical one. New courses, such as "professional ethics, "Entrepreneurialship" and "communication skills" have also been incorporated in the curriculum, for personality development of students on constructive lines, and to ensure their character building.

"UET makes a paradigm shift from routine education to a practical one": Gilani

The Governor gave away degrees and awards to the graduates, including, Suleman Khan (Agricultural Engineering), Muhammad Umair Zaman (Civil Engineering), Muhammad Munib Anwar (Chemical Engineering), Muhammad Sadiq (Mechanical Engineering), Jchangir Khan (Mining Engineering), Syed Asghar Ghani (BS Computer Science), Iftikhar Ahmad (BS Information Technology) and Saad Mubeen (Electrical Engineering) while Shoab Azmat (Computer Engineering) and Shafi Ullah Khan, bagged both the gold medals, as well as, Presidential cash awards. Khalid Khan Afridi and Farman Abdul Ghafoor received presidential cash awards for their outstanding academic performance.



SECOND IEEE INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES (ICET 2006)

The Second International Conference on "Emerging Technologies" was held on 13 and 14 November, 2006 in Peshawar. Guests from within the country and abroad, including USA, UK, Canada, Germany, China, Korea, Malaysia, Iran, India and Bangladesh participated in the Conference. A total of 127 technical papers were selected, out of 400 papers received.

In the Conference, twelve technical sessions were held in which seventy two technical papers were presented. The rest of papers were included in "Poster Session". Two tutorials were held, one, on "WIMAX", conducted by Dr. Raziq Yaqub from Toshiba, USA, and the other on "Hybrid Vehicles", conducted by Dr. Iftikhar Ahmad, from General Motors, USA. The keynote speech was delivered by Prof. Dr. Shakeel Akhter from UAE on "Wearable Computers" in the Inaugural Session.

The Conference was inaugurated by the Governor, NWFP, Lt. Gen. Ali Muhammad Jan Aurakzai. The Governor said the field of engineering was "key" to developing advance technologies for the global economy, and this moot was especially significant, because it brought together world renowned and emerging experts to discuss phenomenal advances in the field of engineering, particularly information technology. The closing ceremony was held on November 14, 2006. Dr. Sibghat Ullah from Microsoft, Karachi delivered the inaugural speech on "Academic Alliance", followed by a panel discussion comprising of top experts in the field of electrical engineering including signal processing, fiber optics, wireless communication, and cellular technology and computer networks.

The Conference was concluded by the Vice Chancellor Engr. Syed Imtiaz Gilani, and was formally closed by the IEEE Peshawar



Subsection Chair, Dr. Azzam-ul-Asar. The Vice Chancellor particularly appreciated the efforts of Prof. Dr. Azzam-ul-Asar and IEEE student team for successful management and smooth running of the conference. Certificates and souvenirs were distributed among the participants and organizers at the concluding session. A cultural show with a formal banquet was arranged. The wife of Governor, NWFP, was the chief guest. The evening was given a colorful touch by a cultural show that highlighted the local and traditional NWFP culture.



FACULTY DEVELOPMENT PROGRAMME

- A short course on “Seismic design and Construction (CADAC 2006)”, organized by the Institute of Earthquake Engineering and Engineering Seismology (IZIIS), University Skopje, Macedonia, was held from 11th September 24th November, 2006 and was attended by Engr. Awais (Lecturer, Department of Civil Engineering, Main Campus), Engr. Yasir Irfan (Lecturer, Department of Civil Engineering, Bannu Campus), and Engr. Itikhar Mahmood (Ph.D student, Department of Civil Engineering). Professors and experts from IZIIS spoke on methods, design and analysis of structures made of different materials, resistant to earthquake effects.
- Dr. Qaiser Ali, Associate Professor, Civil Engineering Department, attended the “Tokyo International Workshop on Safer Housing”, on 22-23 November, 2006. He was invited as a resource person by the Building Research Institute, Japan, to elaborate on the design of cost-effective safe masonry construction for developing countries.

RENOWNED U.S ARCHITECT LANGENBACH VISITS UET

- A world renowned Architect, Mr. Randolph Langenbach, delivered a lecture on “Traditional Construction in Earthquake Areas as an Alternative to Poor Construction in Reinforced Concrete” on Tuesday, 31st October, 2006. The lecture was organized by the Department of Civil Engineering.

Mr. Randolph highlighted the earthquake resistant features of traditional timber reinforced stone masonry house called “DACHI”, being constructed in Kashmir and other Northern Areas of Pakistan.

- Prof. Dr. Jahangir Durrani, Professor, Department of Civil Engineering, delivered an extension lecture on “Environmental Pollution and Hazards” on 7th December, 2006 to the faculty and cadets of Military College of Engineering (MEC), Risalpur. He was invited by Major General Tariq Mehmood, Commandant, MEC College.

Dr. Jahangir discussed hazards caused by water, air and land pollution. While suggesting mitigation measures to control pollution, he appreciated the efforts of the Government to protecting the environment. However, he urged enforcement agencies to strictly enforce environmental legislation to save the environment from pollution. He also advised students to promote awareness in society to save environment from hazards. He highlighted negative impact of pollution

explosion on different sectors including transport, domestic, socio-cultural, agricultural, commercial, industrial, mining and construction.

The presentation was well attended by faculty and cadets.

UET STARTS ONLINE VIDEO CONFERENCING



UET has been successfully connected to the video conferencing system of HEC. An online lecture was conducted by Dr. Mukhtar Ahmad, Member Operations and Planning, HEC. He spoke on HEC's policy, which was delivered from HEC Video Conferencing Room.

With the introduction of video conferencing, HEC has brought a sea-change in the higher education sector. This will help students to get up-to-date knowledge in their respective fields through distance learning.

The Director Finance and Planning, M. Sarwar Khan, informed that UET has already established a wide spread intranet set up in the University. Hence students of Mardan, Bannu and Abbotabad Campuses will also avail the opportunity to listen to online lectures with the video conferencing facility now available at Peshawar Campus.

The lecture was attended by faculty members, and students.

VISIT OF POLISH ARCHITECTS

Polish Architects, Ms. Anna & Ms. Wosciech Swiatek, paid a one-day visit to UET Abbottabad Campus. During their visit, they met the Coordinator Prof. Mussarat Shah and discussed bilateral issues with the faculty and students. Presentation of selected works of both the architects was conducted. They also attended the presentation of 6th semester students' works during their visit.

APPOINTMENTS

- Engr. Zeeshan Akbar, Engr. Irfan Akbar, Engr. Asad Ullah, Engr. Hidayat Ullah Marwat, Engr. Arshad Wahab, Engr. Nauman Alam, Engr. Ihsan Khan and Engr. Amir Rasheed have been inducted in the Electrical Engineering Department, Bannu Campus as "lecturers".
- Engr. Muhammad Ayaz, Engr. Mudassir Anwar, and Engr. Qazi Sami Ullah have been appointed as lecturers in the Civil Engineering Department, Bannu Campus.
- Arch. Salman Jamil has joined UET Abbottabad as Assistant Professor in the Architecture Department. He is a graduate of architecture from Savannah College of Arts and Design, Georgia, USA. He has also done his masters from the same university.
- Engr. Shaheer Durrani has joined as Assistant Professor in the Electronics Engineering Department, Abbottabad Campus.
- Mr. Izhar-ul-Hassan, Asstt Prof. has been appointed as Acting Chairman, Department of Architecture, City and Regional Planning, Abbottabad Campus.

PEC ACCREDITATION TEAM VISITS MARDAN CAMPUS

PEC Accreditation Team visited UET Mardan Campus on 1st Nov. 2006 and 20th Nov. 2006 for computer software engineering and telecommunication engineering departments, respectively. The accreditation team was comprised of:

Engr. Dr. Asrar-ul-Haq Sheikh, Convener/Expert telecom engineering, Engr. Dr. Asmat Ullah Khan, member/Expert computer software engineering, Engr. Javed Sadar, member/representative industry and Engr. Jehanzeb, Assistant Registrar, PEC Peshawar. They were accompanied by Dr. M. Mansoor, Dean, Lt. Col (Retd) Imtiaz Durrani, Registrar, and Engr. Abdul Mutalib, Chairman, Electrical Engineering. Co-coordinator Mardan Campus Engr. Mahmood Jan Babar received the accreditation team. The team visited laboratories, library and took keen interest in the equipment installed. They appreciated the progress made in infrastructure and facilities at the campus, including addition of 4000 reference and text books in the library.

UNIVERSITY INDUSTRY INTERACTION

- Dr. Warren Weinstein, Country Director USAID, paid a visit to UET and met the Vice Chancellor. The Director and other officials of the Gems and Gemology Institute, Peshawar, accompanied him. Prof. Dr. Khan Gul Jadoon Chairman, Mining Engineering, briefed the delegation about current activities in the department. Dr. Weinstein discussed the possibilities of starting new specializations in "Gemstone Mining" and "Dimensional stone Mining". Possibilities of starting joint collaboration in research in future was discussed. The Director USAID assured all possible help and co-operation.
- A presentation for research collaboration regarding faculty Research Project was made by Dr. Khan Gul Jadoon Chairman Mining Engineering Department to the management of the Mustahkim Cement Company on December 14th, 2006. Collaboration would involve development of economic block model for quarry operations.

STUDENT'S ACTIVITIES

- Pakistan Quiz was held at Radio Pakistan Abbottabad on 22nd December 2006 amongs: various universities. Mr. Sayyed Alam, 5th Semester (Electronics), and Mr. Waqas Ahmed, 5th Semester (Architecture), Abbottabad Campus, won the first prize.
- NWFP UET Peshawar actively participated in HEC organized Sports Gala events, and took part in events like football, athletics, table tennis badminton and volley ball. UET student, Mr. Rafique won various medals in athletics. He was conferred gold medal in 2nd Gala, gold medal in 3rd Gala, silver medal in All Pakistan Under 19 Ranking Championship, silver medal in All Pakistan Inter-Universities Championship 2005-06, silver medal in National Games at Lahore and silver medal in All Pakistan Inter-Universities 2006-07.



SEMINARS

ONE DAY SYMPOSIUM ON NANOTECHNOLOGY



A one-day Symposium on "Nanotechnology", jointly sponsored by HEC and UET, was held at UET Peshawar. Different universities and institutions participated.

The symposium was aimed at providing a common platform for enhanced interaction between university and industrial sector so that researchers, industrialists and academia could look into the application and scope of this emerging technology in Pakistan.

Speaking as chief guest, Vice Chancellor NWFP Agricultural University Peshawar, Dr. Saeed Khan Khalil, underlined the importance of competitive education to keep pace with the modern day challenges. Dilating upon his views, he said we must develop indigenous technology and focus on quality of education to compete with the advanced countries of the world.

Earlier, in his key note address, Prof. Dr. Iftikhar Khan Prof. Department of Electrical Engineering gave a detailed briefing on nanotechnology and highlighted its various applications and dimensions.

He said nanotechnology is an emerging technology that has a potential to significantly affect various aspects of life. In Pakistan there are different areas, like water purification, where nanotechnology can be used effectively with low cost mechanisms.

Dr. Iftikhar said developed countries are actively involved in using this technology in cancer treatment,



genetic manipulation, and direct application of a small amount of medicine in diseases. The speaker urged the need to include the subject at university level and to start active research in this area for better utilization at local level.

Prof. Dr Arshad Saleem Bhatti, (COMSATS Islamabad), Prof. Dr. F. A Khalid (GIKI Topi), Prof. Dr. Ahmad Shuja (COMSATS, Islamabad) Dr. Mazhar Mahmood (PIEAS, Islamabad), Prof. Dr. Ruhullah (NUST) and Prof. Dr. Ikramul Haq also spoke on the occasion.

SEMINAR ON CDMA TECHNOLOGY



The Department of Computer Systems Engineering, in collaboration with CDMA, HR Development Center, Iqra University Islamabad Campus, Pakistan CDMA forum, Islamabad and Telecommunication Department, IJET Mardan Campus, conducted a three-day workshop on Code Division Multiple Access (CDMA) Technology. The seminar aimed to highlight the significance of CDMA and up-date students of latest developments in this technology.

The keynote speaker, Dr. Syed Ismail Shah, Head of Department, Computing and Technology, Iqra University, Islamabad, said that the world is demanding more from wireless communication technologies than ever before, as more people around the world are subscribing to wireless applications.

For the development of efficient communication systems, he said, effective utilization of communication resources (time and bandwidth) among the system users plays a critical role, which can be effectively shared, by using multiple access techniques. The CDMA2000, he said, is one of the standards, that have been adopted for 3G cellular wireless communications and is successfully working nowadays.

The Vice Chancellor Engr. Syed Imtiaz Gilani, distributed certificates to the participants and appreciated the efforts of organizers in arranging such seminars. Dean, Faculty of Engineering, Prof. Dr. M. Mansoor Khan and other senior faculty members were present on the occasion.

SEMINAR ON WIRELESS TECHNOLOGY



UET Computer Society organized a one-day seminar on "wireless technology". The seminar aimed to brief students about the importance of wireless communication and its scope. Dr. M. Inayatullah Khan Babar, Chairman CS & IT, highlighted the significance of the wireless technology, and said that the advantages of this technology included mobility, better use of power, fast data sharing and connectivity like CDMA, Blue Tooth, and GSM.

The Vice Chancellor was the chief guest on the occasion. In the end, Akif Ullah Khan, President Computer Society presented "vote of thanks".

PROJECT REVIEW MEETING

A meeting of Higher Education Commission (HEC)'s monitoring team, headed by Ms Sandal Mufti, Senior Project Manager, was held to review UET's developmental projects.

Director Finance and Planning, M. Sarwar Khan, briefed the members about the current status of all projects, including construction of foreign faculty hostel, establishment of new campuses at Mardan, Bannu and Abbottabad strengthening of main campus, Peshawar, strengthening of satellite campuses, National Institute of Urban Infrastructure Planning, construction of 100 girls students hostel, at Peshawar and Abbottabad, campus and strengthening of Earthquake Engineering Center.

Ms Sandal Mufti expressed satisfaction on the current progress of the projects. She said that HEC has made it mandatory for all the universities to hire dedicated Projects Directors to ensure timely execution and proper monitoring of all projects.

The meeting was attended by Project Directors and senior administrative staff.

EVENT MANAGEMENT SKILLS



Ms. Shamaila Farooq Director Media and Public Relations attended a three day workshop on Event Management Skills, organized by Pakistan Institute of Management (PIM), held in Lahore from 26-28 December 2006. The objective of the workshop was to train the participants in planning, marketing and evaluating mega events of local and international level. Mr. Asad Siddique from PIM, Karachi was the course trainer.

Ph.D DEFENSE HELD

Engr. Irshad Ahmad of Civil Engineering Department successfully defended his Ph.D research titled "Artificial Neural Network Modeling of Seismic Events and soil pile interaction" in a public presentation held on 15 January. Prof. Dr. Akhtar Naeem Chairman Civil Engineering Department is the supervisor of this research. This is the second Ph.D produced by the Department under the HEC's indigenous Ph.D programme.

Irshad Ahmad has published six research papers in international conferences He completed all the necessary course work and research in Pakistan as well as in the University of Western Ontario, Canada under the supervision of internationally renowned expert on seismic soil pile structure interaction, Prof. Dr. Hesham El Naggar.



GLIMPSES OF 2006

EDITOR'S NOTE

As we bid farewell to the year 2006. On the one hand, we make new resolutions during the New Year, yet on the other side, we look into retrospect as to what we achieved in the previous year. The UET Newsletter Team sums up some giant strides, and achievements for the interest of our readers.

I would like to thank the resource persons for sending me their contributions for the Newsletter. Please remember that all relevant information of interest to a wider academic audience is very welcome.

I hope that with your help the Newsletter will remain the medium of (sharing information) in the University.

Shamaila Farooq



on 8 and 9 May, 2006 at HEC headquarters, Islamabad.

The Conference aimed to create a forum for exchange of ideas between university leadership in Pakistan and UK, development partners and other stakeholders. Prof. Dr. Atta-ur-Rehman Chairman (HEC) was the chief guest on the occasion.

CONFERENCES

INTERNATIONAL CONFERENCE ON HIGHER EDUCATION FOR DEVELOPMENT

In collaboration with HEC, and Campus Consultancy Services (CCS), UET held an international conference on "Higher Education for Development"



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, 2006. The Conference was jointly organized by UET and Higher Education Commission (HEC). 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.



GLIMPSES OF 2006

ACADEMIC AND BUSINESS LINKAGES

MoU ON EARTHQUAKE ENGINEERING SIGNED

An MoU in research collaboration in earthquake engineering between UET Earthquake Engineering Center (EEC) and Multidisciplinary Center for Earthquake Engineering Research (MCEER), USA, was signed to promote and enhance the linkages between these organizations, with an ultimate aim to reduce future losses of life and property damage from earthquakes.

UET, METU SIGNS MoU

UET and Middle East Technical University (METU), Turkey, entered into a mutual cooperation in the areas of faculty development, post doctoral programs, setting up of "smart-class" interactive learning centers, technoparks, and technical assistance in technology transfer.

The Vice Chancellor and METU Rector, Prof. Dr. Ural Akbulut, signed MoU on 13th September 2006.

UET SIGNS MoU WITH LOUGHBOROUGH UNIVERSITY UK

The University signed a five-year MoU with Loughborough University UK. This MoU is mainly aimed to engage in academic cooperation in areas of research and degree programmes.



UET SIGN MoU WITH SDC FOR RECONSTRUCTION



UET signed a MoU with the Swiss Humanitarian Aid (SHA) for improved infrastructure development in earthquake-hit areas.

The MoU was signed between the Vice Chancellor and Thomas Fisler, Head of the Reconstruction Team, SHA, following by a press briefing at the Main Campus.

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 Auditorium, Islamabad on the occasion of World Teachers' Day on 5th October, 2006. Prime Minister Shaukat Aziz was the chief guest.



GLIMPSES OF 2006

ACTIVITIES

UNIVERSITY-INDUSTRY PROGRAMME

Military Vehicles Research & Development Establishment (MVRDE), a division of Ministry of Defence, Islamabad, accepted the proposal "Design of Hydraulic Telescope Crane" prepared by Mechanical Engineer, Lecturer Sadiq. A complete thesis report was officially handed over to Maj.General Zaheer Khan, Director General MVRDE in a thesis handing over ceremony.



DEVELOPMENT PROJECT

Central Development Working Party (CDWP), under the chairmanship of Dr. Akram Sheikh, Deputy Chairman, planning commission approved the project "Strengthening of Existing Earthquake Engineering Center" at a cost of Rs.487.219 million.

NISAN HIRES MECHANICAL ENGINEERING GRADUATES

Fifteen graduates of Mechanical Engineering Department hired by the NISSAN Automobile Company, Pakistan. After interviewing graduates from all the leading engineering universities of Pakistan, all the fifteen selected are from NWFP UET.

UET STARTS TENURE TRACK SYSTEM (TTS) SCHEME

The University started Tenure Track System, (TTS). The statutes were vetted by the Higher Education Department, Government of NWFP and approved for adoption by the Governor from the year 2006.

TTS is a performance-based pay-system introduced by Higher Education Commission (HEC) to stop brain drain of highly qualified faculty. Under this system, a full professor will be offered up to Rs.1,74,000.00/month

EDUCATION EXPO, 2006



Dawn Group of Newspapers' Education Expo organized at the Jinnah Convention Center at Islamabad on 3rd & 4th February 2006. The University participated in the Expo to inform potential stakeholders about the University's academic undergraduate and postgraduate programmes.

Directorate of Media & Public Relations represented the University.



GLIMPSES OF 2006

IEEEP STUDENT SEMINAR, 2006

Imran Ashraf and Saad Mubeen, final year students of Electrical Engineering Department, presented their paper on "Design of an 8-bit RISC Processor & its Implementation on FPGA" at 21st All Pakistan Electrical and Electronics Engineering (IEEEP) Students' Seminar, 2006 held on 21st January 2006 at UET Mehran, Jamshoro.

They were awarded silver medal in 21st Multi-Topic International Seminar held on April 14 & 15, 2006 at Pearl Continental Hotel, Karachi.

RESEARCH PAPER ACCEPTED

The final year research thesis paper of an undergraduate student of CS & IT Department was accepted for publication and presentation in the 2006 International Conference on Artificial Intelligence held at Nevada, USA, on June 26-29, 2006, sponsored by MIT (Massachusetts Institute of Technology), USA. The paper titled "A Face Detection System Using Neural Network Approach" was submitted by Bashir Ahmad, Final Year Student, Dr. M. Inayatullah Khan Babar, Chairman, and Mr. Shair Akbar Khan, Lecturer, Department of CS & IT.

ALL PAKISTAN QEDH COMPETITION

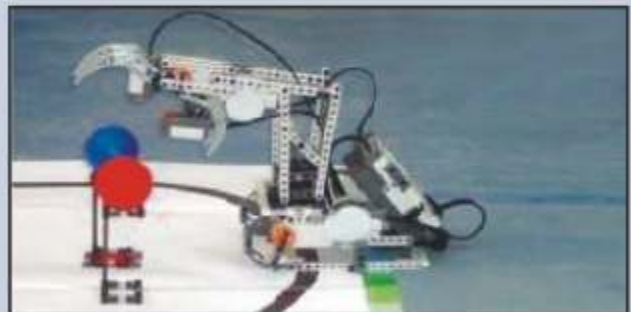
Literary and Debating Society (LDS) hosted 'All Pakistan Quiz Essay Declamation and Humor' (QEDH) competition on 17th and 18th April, 2006. Nineteen public and private universities of Pakistan participated in the competition.



UET LAUNCHES CONSULTANCY CELL

In pursuing the policy of developing university-city linkage, UET registered a consultancy subsidiary with Pakistan Engineering Council by the name "NWFP UET Consultancy Cell".

ROBOTICS CLUB LAUNCHED



UET has launched the first official Robotics Club, at the Department of Mechanical Engineering with the objective to promote, explore, and compete in the field of robotics.

The Vice Chancellor in his address said the University has got the cutting-edge equipment for its students, to get hands-on training in the disciplines of electrical, mechatronics and mechanical engineering. However, it becomes the students' responsibility to get maximum benefits from it and bring out the best knowledge and expertise. He assured the members to provide maximum financial support to the Club for its worthwhile activities.

Lecturer Engr. Umar Ibrahim, President Robotics Club said robotics is the growing field throughout the world. The introduction of smaller, more powerful and lower cost micro processors has made robotics an affordable recreational activity at universities.

The Dean of Engineering Prof. Dr. M. Mansoor Khan, Registrar Lt. Col. (Retd) Imtiaz Ahmad Durrani, Chairman Mechanical Engineering Department M. A Irfan and other senior faculty and a large number of students were present during the ceremony.



NEWS BRIEFS

- Under the Short Term Exchange Program (STEP) of Higher Education Commission (HEC), Prof. Abdul Mutalib, Chairman Electrical Engineering Department, arranged a 15-day training workshop from October 4-18, 2006 on "Circuit Analysis/Synthesis and Problems in Power Industry" at Comsats Institute of Information Technology (CIIT), Wah Campus. The workshop was well attended by students and professionals.
- Engr. Muhammad Shahzad Khan Khattak, Assistant Professor, has been awarded Ph. D Scholarship under "UET-AIT Linkage Programme".
- Engr. Shahid Hameed has been appointed as Research Assistant, funded by HEC in the project titled "Effect of Nitrogen Fertilizer on Ground Water Quality", supervised by Dr. Taj Ali Khan.
- Dr. S. Waqar Shah and Dr. Muhammad Inayatullah Khan Babar, presented technical papers on "Renewal Energy Recourses & Grade of Service" (GoS) in the IEEE International Conference on "Emerging Technologies" (ICET 2006), held in Peshawar on November 13, 14th 2006.
- A team of SUPARCO visited the Department of Electrical Engineering to recruit fresh graduates. The aptitude test, organized by Engr. Siddique Ali, Engr. Imran Ashraf and Engr. Irfan Khattak was held in the department. So far, five graduates have been recruited from the Department as "Trainee Engineers".
- Hydraulics Laboratory has been established in the Department of Civil Engineering Bannu Campus.
- 5th Semester students of Department of Civil Engineering visited the Motorway M-I Section at construction site of Karcon, Pvt Ltd. The objective of this visit was to brief students about construction machinery. Engr. Sagheer Aslam was the activity incharge, and Engr. Tabinda Masud was the student Advisor. Engr. Farooq Shah and Engr. Alvi (Management) briefed the team about the ongoing work of construction machinery.

LIST OF RESOURCE PERSONS

Prof. Syed ul Abrar
Provost

Dr. Khan Gul Jadoon
Chairman Mining

Dr. Noor Muhammad
Director Post-Graduate

Engr. Qaisar Ali
Deptt. of Mechanical

Prof. Dr. Zahid Mahmood
Chairman Agricultural

Engr. Tariq Saeed
DCSE

Engr. Miss Haleema
Deptt. of Civil Engg

Engr. Miss Amreen
Deptt. of Civil Engg

Engr. M. Saddique
Deptt. Electrical

Engr. Bilal Pirzada
Bannu Campus

Engr. Shagufta Naz
Mardan Campus

Ms. Shazia Usman
Abbottabad Campus

Mr. Fazl-e-Wadood
Secretary to VC

Mr. Khairullah Jan
P.S to Dean

Mr. Fazl-e-Subhan
P.S to Registrar

Mr. Shahid Zafar
P.A to Director Finance

M. Pervez
P & D

Mr. Muhammad Ali
Director Sports

Mr. Mukhtaar Ahmad
ISE

IN FOCUS DR. JAHANGIR MIRZA



Dr. Jahangir Mirza joined the University as foreign faculty in October 2006. He brings with him impressive educational achievements and applied research experience. These will enhance the University's teaching and research activities and image. Dr. Jahangir obtained his Ph.D in inorganic chemistry from Ruhr University, Bochum,

Germany, in 1978. Later, he did his post-doctorate studies in the area of higher temperature oxide at the Institute of Electrical Engineering of the same university.

Dr. Jahangir has worked at Cement Lafarge, (Ltd), the largest diversified supplier of construction materials in North America, where he was involved in conducting and supervising various R & D, and trouble shooting activities related to cement mortar and concrete problems.

In 1985, Dr. Jahangir joined the Hydro Quebec's Research Institute, where he is involved in projects ranging from evaluation to application of various types of construction materials including the utilization of industrial wastes for repairing cracks, joints, waterstops and concrete surfaces in hydraulic structures and infrastructures. He has taught as Adjunct Professor in the Civil Engineering and Applied Mechanics Department at McGill University, Canada, from 1992-2000. He has also directed and co-directed M.Sc and Ph.D Civil Engineering students.

Currently he is the technical consultant of United Nations (Pakistan) in the field of cement and concrete technology. He has remained member of several international bodies including American Concrete Institute, American Ceramic Society, International Concrete Repair Institute, Canadian Dam Safety Association and Chemical Institute of Canada. He is member-editorial board and advisory board of an international journal and international conferences, since 1993. He has made presentations on various international conferences, and received thirteen international awards and honors. He has full command on five languages including French and German.

Dr. Jahangir Mirza is the author and co-author of more than 120 technical reports and scientific publications.

With compliments

Directorate of Media & Public Relations,
NWFP University of Engineering & Technology Peshawar.

CORRESPONDENTS

Mardan Campus Engr. Shagufta Naz, Lecturer
Bannu Campus Engr. Bilal Pirzada, Lecturer
Abbottabad Campus Mr. Shabbir U. Qureshi, Architect
Composed & Photographs by: S. Azhar Hussain Kazmi, Aurangzeb

www.nwfpuet.edu.pk

dimedia@nwfpuet.edu.pk

Tel: (92-91) 9216796-8 Fax: (92-91) 9216043 P.O Box # 814