



Newsletter

NWFP UNIVERSITY OF ENGINEERING & TECHNOLOGY PESHAWAR

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Issue No. 01
June - August 2004

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Main Campus, Peshawar



Mardan Campus



Bannu Campus



Abbottabad Campus



KFUPM Delegation visits NWFP UET, Peshawar

Vice Chancellor's Message

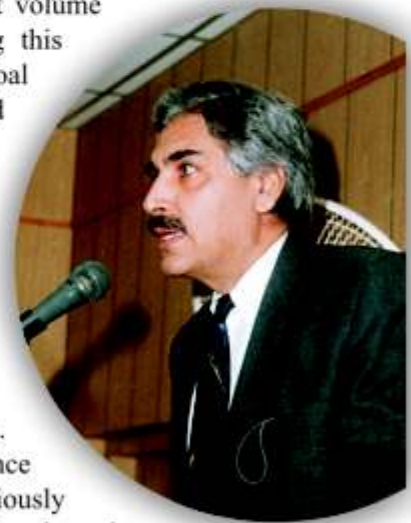
Welcome to the first edition of the first volume of our Newsletter. We plan to bring this out on a quarterly basis, with the singular goal of sharing our activities with our friends and other stakeholders.

I have always held that NWFP UET is a treasure-trove of higher learning and talent, inherent in the dedicated faculty members and our brilliant students.

Universities are an integral part, and a microcosmic reflection of societies in which they flourish-albeit with an academic tilt. While we design our policies in consonance with the immediate environment, we consciously fashion them with a keen eye on national and international trends and demands. This Newsletter will be a window that allows others to share this knowledge with us.

I would like to congratulate every one involved in this effort, and hope that with each passing issue this document becomes more and more newsworthy.

Syed Imtiaz Hussain Gilani
Vice Chancellor, NWFP, UET



NWFP UET PESHAWAR HOLDS 7th CONVOCATION



The 7th Convocation of the Engineering University was held on March 9, 2004. Governor NWFP/Chancellor, Lt. Gen (R) Syed Iftikhar Hussain Shah was the Chief Guest who conferred M.Sc. and B.Sc. Engineering degrees on successful candidates for the session 2001.

The Vice Chancellor of the University, Syed Imtiaz Hussain Gilani in his welcome address, presented a brief report on the performance of the university. He touched upon development projects at the University. He expressed his resolve to take steps to modernize the university and bring it at par with other leading universities. While highlighting the importance of research and development, he said the University is the first in Pakistan which has got the approval from HEC for establishing an Earthquake Centre. In this connection, he indicated his determination to incorporate the research component into all the

programmes. In the end, he expressed his profound thanks to the Governor and the VC University of Peshawar, Gen. (R) Mumtaz Gul, VC Agricultural University, Syed Iqbal Shah for gracing the occasion.

The Governor conferred Gold Medals and Awards to position holders of the session 2001 for their academic performance. In his address, the Governor appreciated UET's role in academics and congratulated the Vice Chancellor for introducing the Semester System and Tenure Track System. He also appreciated the efforts taken by the University for promoting research & development projects.

The convocation was an extremely joyous occasion for the students, their parents and the University faculty. An atmosphere of joy and bonhomie permeated the campus ambience, and everyone was smiling for the ever-clicking cameras and video-recorders.



VICE CHANCELLOR REPRESENTS THE UNIVERSITY IN A VISIT TO SAUDI ARABIA

The Vice Chancellor, NWFP UET Peshawar, Syed Imtiaz Hussain Gilani was among a delegation of seventeen Vice Chancellors of public sector universities that visited Saudi Arabia from 23rd to 29th April, 2004.

He met the presidents and high academia of King Fahd University of Petroleum & Minerals and Prince Abdul Aziz University, Jeddah. He stressed upon them to start students exchange programmes at M.Sc. and Ph.D level between UET and Saudi Engineering Universities.

As a result...

a delegation of King Fahd University of Petroleum and Minerals (KFUPM) headed by Dr. M. Abdul Aziz Al-Ohaili, Deputy Dean Graduate Schools & Scientific Research and Prof. Dr. Sadiq M. Sait Chairman Department of Computer Engineering of KFUPM visited the University on 12th June 2004. The objective of this official visit was to explore the possibilities of joint-collaboration between the two universities in the field of higher education. The Saudi officials interviewed students for their admission in M.Sc and Ph.D in KFUPM.



In his welcome address, Vice Chancellor expressed his thanks to the Saudi officials and appreciated KFUPM team for taking this initiative. He stressed upon the need to initiate this venture in education and research as this was the only way to combat terrorism. He said that it is a high time for Muslim Ummah to pool their indigenous resources in education and research to show the soft face of Muslims to the world.

LINKAGES IN-PROCESS

Linkage programme

1. NWFP UET and Strathclyde University, UK are finalizing MoU for starting split Ph.D programme and a full time resident faculty programme between both universities. These will be sandwich programmes with first year at UET, Peshawar, next at Strathclyde and third year again at UET.
2. MoU will be signed between the Asian Institute of Technology (AIT), and NWFP UET Peshawar to start linkage in Ph.D programmes. These will include:
 - (a) Two full time resident Ph.D programmes at AIT, and
 - (b) Three subsidized split Ph.D programmes in which part of the work of the scholars will be at Peshawar.
3. King Fahd University of Petroleum & Minerals (KFUPM) delegation interviewed the students for admission in M.Sc. and Ph.D Programme in the University.

Consultancy Services

The Civil Engineering Department takes lead in providing consultancy services to government departments and private businesses. Following are some of the upcoming projects:

- ❖ Water Distribution Modeling for City of Peshawar from UNICEF;
- ❖ Waste Management for the city of Bannu from WestNet;
- ❖ Arsenic detection in drinking water quality of N-WFP from UNICEF;
- ❖ Proposed Rain Water Harvesting Modeling for Abbottabad City; and
- ❖ Mapping of Communities using GIS from local NGO.



MECHANICAL ENGINEERING LAUNCHES CAREER RESOURCE CENTRE (CRC)

Mechanical Engineering Department has recently launched Career Resource Centre (CRC) in the University. The purpose of establishing this centre is to allow the students to become aware of the latest trends and opportunities available in the field of higher education and employment.

It also aims to provide opportunities for internships in industry. As a result, 35 internships have been confirmed for the students of Mechanical Engineering in various industries.

Realizing the importance of effective communicational skills, the Centre has planned to arrange a seminar for final year students on “**Improving Interviewing Skills**” in collaboration with Pakistan Tobacco Company to be held on 25th June, 2004.

LABORATORIES ESTABLISHED

Laboratories Established

- Structure Laboratory has been established for 2nd year students in Bannu Campus.
- Computer and Basic Design Laboratories have been established and made fully functional at Abbottabad Campus.
- Final Year Project Lab has been established in the CCISE. It has Pentium IV computers with processing power of 2.5 GHz and state of the art networking equipment, including All -11 Programmer, Global Position System etc.

CIVIL ENGINEERING DEPARTMENT CONDUCTS SEMINAR



Civil Engineering Department conducted a national seminar on "GIS Applications to Automated Hydraulic Modeling" on May 8, 2004, at the department. This seminar was attended by a great number of research scholars of other universities including NUST, SUPARCO, Pak Army, UET Lahore, and MCE Risalpur. Vice Chancellor concluded the seminar by stressing to build the bridge between the University, industries, and government departments by arranging such seminars. In the end, he distributed certificates among the participants followed by a group photo with the participants.

DEVELOPMENT PROJECTS IN-PROCESS

Following are the mega developmental projects, the University is carrying out in collaboration with HEC.

- Earthquake centre to be established soon with the total expenditure of Rs.38.344 millions. The credit is due to the University in taking the lead in introducing this technology for the first time in Pakistan.
- Widespread Internet set-up for the University's campuses with the approved a sum of Rs.33.082 million. This would help to keep the students abreast with the rapid advancements in the filed of information technology.
- Renovation of Mardan, Bannu and Abbottabad campuses to be done with a sum of Rs.154.634 millions.
- Strengthening of Mechanical Engineering Department soon with a sum of Rs.37.000 millions.
- Advance Technical Research Resource Centre at Peshawar Campus to be established soon with a

- cost of Rs.37.910 million, with first-of-its-kind rapid-prototype technology.
- Institute of Mechatronics to be established at Mardan Campus with a sum of Rs.180 million.
- Renovation of Peshawar Campus with a sum of Rs.37.00 million to provide all kind of facilities to its students.

NEW M.Sc. & Ph.D LEVEL COURSES

The department has introduced four new state of the art courses at M.Sc/Ph.D level.

- i. Geographic Information System Applications to Hydrologic and Hydraulics Modeling
- ii. Advanced Hydrology
- iii. Air Pollution Control and Assessment
- iv. Hazardous Waste Management

NEW FACULTY MEMBERS

- ✓ Dr. Imtiaz Ali Shah has joined the department after concluding his Ph.D from George Washington University (GWU), Washington DC. Dr. Imtiaz also worked as an adjunct professor at the Department of Civil and Environmental Engineering at the George Washington University, where he taught and developed several undergraduate and graduate courses.
- ✓ Engr. Syed Nasir Gilani, graduate of session 2001-2002 successfully completed a group project, titled "Automated Mapping and Facility Management of Civil Engineering Department, using GIS techniques." This project was declared "Best project of the year." The University is proud to induct him as faculty in Civil Engg: Department
- ✓ Mr. Sadiq Jan stood first throughout his academic career in CCISE. The University is proud to induct him as a faculty in CCISE Department.



Vice Chancellor addresses the Press Conference

Dr. Abdul Aziz Al-Ohali expressed that the present visit of KFUPM was being made in connection with the visit of VCs of Pakistani universities to Saudi Arabia. He confirmed that this gesture of enhancing a meaningful cooperation would pave the way to promote education and cultural horizons between the two Muslim countries.

GOVERNOR BALUCHISTAN VISITS NWFP UET, PESHAWAR

The Governor Baluchistan, Engr. Owais Ahmed Ghani, paid a courtesy visit to the NWFP UET Peshawar on 12th March 2004. The Governor inaugurated the entrance "portal" & then he was briefed about on going projects of the University. He also exchanged views on matters of mutual interest and expressed the desire of starting collaboration programme with Baluchistan University of Engineering and Technology.

Prof. Dr. M.A Mufti made a presentation. During his presentation he gave a brief account of the University's performance, and future agenda. He also outlined the Vision 2025, which proposed the setting up of a new campus in Malakand District by the year 2007 and starting the Geological Engineering, Industrial and Manufacturing Engineering Departments at main Peshawar Campus. He further informed the audience about a plan to start the Biomedical Engineering Department.



UNIVERSITY APPROVES TENURE TRACK SYSTEM (TTS)



The University Syndicate has approved the Tenure Track System (TTS) in its last meeting held on 4th March 2004. Main purpose of TTS is to allow faculty members freedom of research and teaching, as well as financial independence due to much higher pay packages to pursue these objectives. NWFP UET Peshawar is the third university in the public sector which has approved this system. HEC has appreciated this model and is suggesting to others to emulate this further.

Draft statutes of TTS have been sent to the Governor's Secretariat for approval by the Chancellor. Minimum salary in TTS starts at Rs.40,000/- & goes upto Rs.1,32,000/- for an Assistant Professor.

FACULTY DEVELOPMENT PROGRAMME

- **Engr. Zia Ul Haq successfully completes his training**

Engr. Zia ul Haq, Lecturer in Agricultural Engineering, successfully completed a three-month "Faculty Development Programme" at Higher Education Commission, Islamabad.

- **Engr. S.M Ali & Amjad Naseer secure Doctoral Fellowships**

Engr. Syed Mohammad Ali and Engr. Amjad Naseer, Lecturers in Civil Engg Department, secured Indigenous Ph.D fellowships sponsored by HEC.



- **Engr. Amjad Ali qualifies for Indigenous Ph.D Programme**

Mr. Amjad Ali, Lecturer in Mathematics Department of Basic Sciences has qualified for indigenous Ph.D programme sponsored by HEC.

- **International Ph.D Programme for Faculty Members**

Engr. Sahar Noor, Assistant Prof. Mechanical Engineering Department, has left for Bradford University UK on 3-6-2004 for Ph.D in the field of Artificial Intelligence.

FRESH APPOINTMENTS

- ❖ Engr. Syed Imtiaz Hussain Gilani has taken over charge of Vice Chancellor on 29-1-2004. He brings a vast and varied experience to the job as a Civil Engineer, with Masters Degree in Structural Engineering and Masters in Business Administration from the United States. He worked in the private sector as consultant and contractor. He was Minister for Education, Information, Tourism, Culture and Sports in the last NWFP Government from 1999 to 2002.
- ❖ Lt Col (R) Imtiaz Ahmad Durrani has been appointed as Register of NWFP University of Engineering and Technology Peshawar. Prior to this he was Coordinator, Mardan Campus and G.S.O.I, College of Electrical and Mechanical Engineering, NUST.
- ❖ Prof. Mussarat Shah has been appointed as Coordinator, Abbottabad Campus NWFP UET. Before joining Abbottabad Campus he served as Vice Chancellor NWFP UET Peshawar. This is a great honour for the University that Prof. Mussarat Shah has very kindly accepted the offer as Coordinator UET Abbottabad Campus.
- ❖ Engr. Ijaz Ahmed Minhas, a distinguished industrial professional, has joined Mardan Campus as Coordinator, Ijaz Minhas brings a vast professional experience in the field of Plant Operations, production, maintenance, process and training of engineers posted on plants and factories.
- ❖ Mr. Syed-ul-Abbar has taken over charge as Provost. He is a Professor in Agriculture Engineering Department, UET, Peshawar.
- ❖ Ms. Shamaila Farooq has been appointed as Director Media and Public Relations. She brings an impressive record in Journalism and Mass Communications.
- ❖ Engineer Zahir Khan has taken over as the Chief Proctor. He is an Assistant Professor in the Electrical and Electronic Engineering Department.

UNIVERSITY-INDUSTRY INTERACTION



quarry in Buner on 19-05-2004. The visiting team carried out a successful trial blast to excavate dimensional blocks of marble.

The Department of Mining Engineering has initiated a faculty research project on "Development and Applications of Extractive Techniques for Mining of Dimensional Blocks of Marble" started two years back. Professor Dr. Khan Gul Jadoon, Chairman Mining Engineering is heading a team of faculty including Engr. Siddique Akbar, Dr. M. Waqar Ali Asad, and Engr. Saleem Raza for carrying out research on the project.

Mining Engineering Students visit Marble Quarries in Buner.

The University is laying a great deal of emphasis on building confidence in its graduates. Therefore, the University facilitates frequent student visits to industry to enhance the student-internship programme. Moreover, to give them hands-on training along with their academic learning, the University is also making efforts to introduce industry related projects at B.Sc. and M.Sc. levels.

Mining Engineering Students visit Marble Quarries in Buner.

Third year Mining Engineering students, accompanied by Engr. Siddique Akbar, Associate professor and Engr. Saleem Raza, Lecturer, paid a visit to a marble

quarry in Buner on 19-05-2004. The visiting team carried out a successful trial blast to excavate dimensional blocks of marble.

Mechanical Engineering Students visit Nowshera Sheet Glass Factory

Mechanical Engineering Department, NWFP UET Peshawar visited Nowshera Sheet Glass Factory on 10th May 2004. Giving details, Engr. Sohail Akbar, Incharge Department Industry Interaction, said the University has





embarked upon an ambitious University-Industry Program in order to encourage consulting projects for engineers and to introduce industry related projects at B.Sc. and M.Sc. level.

Mechanical Engineering Students visit Daud Sons Armory Factory

Mechanical Engineering students visited Daud Sons Armory. In a meeting with the top management of Daud Armory Factory, the issues of ensuring internships and trainee engineer positions for securing graduate students were discussed.

PAKISTAN ENGINEERING COUNCIL (PEC) VISITS UET PESHAWAR

Pakistan Engineering Council Accreditation Committee visited NWFP UET Peshawar on 7th May, 2004. The delegation was headed by Convener PEC, General (R) Agha Manzoor including Convener Accreditation Committee, PEC, Mohammad Akbar Khan and Deputy Registrar, PEC Engr. Syed Zulqarnain Shah visited the departments and expressed their satisfaction over the efforts being made by the University for providing quality education, with a focus on ethical & moral values, sense of discipline and commitment to work among the students.

The Vice Chancellor briefed the delegation about the recent steps taken by the University for the up gradation of CCISE and the Chemical Engg. Department. The delegation agreed to extend every technical help for further improvement in this regard.

STUDENTS' ACTIVITIES

- Mr. Aamir Mehmood Jadoon and Mr. Muhammad Tufail from CCISE, won the first prize in National Exhibition on Embedded System and Microcontrollers held between 13-15th March at Comsats Abbottabad Campus.
- Naeem Tahir won first prize in the debate, of the contest was "Pakistan's Population Growth is an Asset not a Liability".
- Social Welfare Organization conducted a "Free Blood Group testing Camp" on 29th April, 2004. On the occasion, more than 300 students were tested for their blood group free of cost. Registrar, Col (R) Imtiaz Ahmad Durrani, Chief Staff Advisor of Social Welfare Organization, expressed his thanks to the Director Finance, Mohammad Sarwar Khan who was the Chief Guest on the occasion.



SPORTS CORNER



Interdepartmental Cricket Tournament

An Interdepartmental Cricket Tournament was held amongst the students of Electrical Engineering, Civil Engineering, and BS (CS) & BS (IT) at Bannu Campus.



Editor's Note

As communication is considered to be the best vehicle for conveying a message of any organization, therefore, under guidance of our worthy Vice Chancellor, we are starting publication of a quarterly newsletter, which will contain the activities of NWFP UET to promote the University at national and international level.

This newsletter will develop a communication bridge between the University and its partners. By engulfing all important and significant developments happening in the field of engineering and technology, we hope this newsletter will bring minds and hearts together, with a commitment to lead Pakistan towards a sustained economic growth and development.

In the end, I thank my seniors and colleagues, for extending all kinds of support in transforming this idea into a reality.

With warm regards
Shamaila Farooq

SHORT COURSE ANNOUNCEMENTS

Centre of Computer Information Systems Engineering (CCISE) offers following professional short courses from June - July 2004.

- ▣ 8051 Micro controller and Embedded Systems
- ▣ Programming and Simulation in Matlab
- ▣ ASIC (Application Specific Integrated CKT) DESIGN
- ▣ Project Based Training in VISUAL BASIC .NET and SQL Server 2000
- ▣ Web Designing (ASP, HTML, Flash, Dream weaver)
- ▣ Computer Networking (A Practical Approach)
- ▣ Analog Electronics (Project Oriented)
- ▣ Programming in Visual C ++ (Image Processing)

For registration please contact
Engr. Sadiq Jan and Engr. Tariq Saeed
Hardware lab,
CCISE, UET, Peshawar,
Ph# 091-9216796-8,
Email: tariqsaeed@pesh.paknet.com.pk,
sadeeqjan@yahoo.com

BRIEFS

Dr. M.A.Q Jehangir Durrani receives University's Best Teachers Award

Dr. M.A.Q Jehangir Durrani of Civil Engineering Department received Best University Teacher award for the year 2002, launched by HEC held on 15th January 2004.

UET participates in Youth Convention, 2004

Farhat-Ullah Babar and Sahibzada Afridi of CCISE, represented the University in the Youth Convention, held between 22nd to 24th May, 2004 at Jinah Convention Centre, Islamabad. Participants shared views on topics of (1) Enlightened Moderation is Key to Globalization. (2) Investment in Education an Essential Ingredient for Development, and; (3) Extremism a Barrier to Development".

UET conducts Press Conference

Media & Public Relations Department arranged a press conference at the Conference Hall on 3rd June 2004. The purpose of holding the Press Conference was to share the ongoing developmental activities with the media. The Vice Chancellor, Syed Imtiaz Hussain Gilani chaired the session and briefed reporters about the on-going developmental projects and future plans of the University.

Semester System to start from next Academic Year

NWFP UET Peshawar has finalized plans to introduce semester system of examinations and teaching. This decision was made to improve the quality of education in the University, to ensure timely graduation process and to provide engineering education under a system that is readily recognized both at national and international levels. However, it will not effect the status of students already enrolled in the annual system. Starting from Fall 2004, all new admissions at UET Peshawar will be under the semester system.

With compliments from the

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

CORRESPONDENT:

| | |
|-------------------|--|
| Peshawar Campus | Engr. Syed Nasir Gilani, <i>Lecturer</i> |
| Mardan Campus | Engr. Shagufta Naz, <i>Lecturer</i> |
| Bannu Campus | Engr. Bilal Pirzada, <i>Lecturer</i> |
| Abbottabad Campus | Mr. Marwat Khan, <i>Architect</i> |

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