



**University of Engineering &
Technology, Peshawar, Pakistan**

Newsletter

September 2017

Patron: Prof. Dr. Iftikhar Hussain, Vice Chancellor



striving for the highest level of
ENGINEERING EXCELLENCE

INSIDE

Mission Statement

To impart state-of-the-art engineering education, through training and research, and produce highly qualified, well-rounded professional engineers who play a leading role in the socio-economic transformation by powering, and driving, a knowledge-based economy for national development.

- UET Peshawar Signs MoU with Shandong Academy of Sciences and Tsinghua University
- Final Year Project Exhibition 2017
- UET Peshawar Entrance Test 2017
- Education Expos'
- Syndicate and Senate Meetings
- Gas Engineering Lab Inauguration
- Ph.D Defense
- MoU with MCE Rasalpur, KPOGCL & USAID's Skill for Youth Project
- TECHNO-FEST 2017
- International Conference on "Industrial Engineering & Management Applications
- Symposium on Numerical Computing & Applications
- International Workshop on " OBE System"
- Infocus: Dr. Naseer Ahmed

Vice Chancellor's Message

This Quarter's newsletter covers the academic and administrative activities including international academic linkages; key meetings of Syndicate, Senate, Academic Council and Finance and Planning Committee and admission process for academic session, 2017-18. We also established key linkages with two leading universities of China; Tsinghua University and Shandong Academy of Sciences. These MoU's will go a long way to work specifically on road safety projects along CPEC route and conducting faculty research in the field of robotics and mechatronics. As I remain deeply committed connecting with outside world to promote research and exchange of ideas, this is to credit our faculty for working hard and bringing the university as one of the best universities of the country.



Besides extensive administrative work, we at UET Peshawar are focused on improving student experience. Along with theoretical orientation, we make it mandatory for them to gain practical knowledge and work closely with industry. That's why the Final Year Project Exhibition is held annually to showcase their projects. You will see the glimpses of few interesting projects which drew the attention of industry and media.

With the admission process almost completed for the new academic year (2017-18) the students will enter the new horizon of their lives. They are the luckiest persons chosen from hundreds of thousands of candidates dreaming to get admission at UET Peshawar. Walking them through the tedious journey of applying to Engineering Entrance Test to the confirmation of admission was a challenging task; the Directorate of Admissions deserves much appreciation for that. Well done!

I once again congratulate the freshmen for being part of the premier engineering university of Khyber Pakhtunkhwa. I wish them a comfortable stay during their four years of study at UET Peshawar. Good luck!



Prof. Dr. Iftikhar Hussain
Vice Chancellor

UET Peshawar and Shandong Academy of Sciences signed Collaborative Agreement

UET Peshawar and Institute of Automation, Shandong Academy of Sciences (SDAS) China have signed a collaborative agreement on mutually agreed projects related to automation, Mechatronics and related fields. Vice Chancellor, Prof. Dr. Iftikhar Hussain and Zhang Dong Director SDAS signed the agreement.

Dr. Iftikhar Hussain said, UET Peshawar has signed the agreement with Institute of Automation Shandong Academy of Sciences, which is a comprehensive research institution in natural science, focusing on the research and development in science-tech innovation fields. He said, UET will be signing several other agreements with leading universities and institutions of China which will result in economic development of Khyber Pakhtunkhwa in particular, and region in general, through investment in education.

Prof. Dr. Sahar Noor, Director QEC briefed the delegation about University's academic and research programs. Prof. Dr. Syed Riaz Akbar Shah, Chairman Department of Mechatronics Engineering informed that an MoU had been signed with SDAS in the past specifically focusing projects at postgraduate level in the field of mechatronics engineering. This collaborative agreement is a continuation of earlier MoU.

The meeting besides others was attended by Pro-Vice Chancellor / Dean, Faculty of Engineering, Engr. Prof. Dr. Noor Muhammad, Registrar Dr. Khizar Azam and Director ORIC, Dr. Abdul Shakoor.



Prof. Dr. Iftikhar Hussain, VC UET and Zhang Dong exchanging the documents

UET Peshawar, Tsinghua University to work jointly on Safe Roads and Safe City Project under CPEC

UET Peshawar and Institute of Public Safety Research (IPSR), Tsinghua University, Beijing China have signed a memorandum of understanding on mutually agreed projects related to public safety along the CPEC route through Khyber Pakhtunkhwa region. Vice Chancellor, Prof. Dr. Iftikhar Hussain and Assistant Dean IPSR Prof. Jianguo Chen signed the agreement on August 9, 2017.

Talking to the delegation, Dr. Iftikhar Hussain, VC said, UET Peshawar has signed the agreement with Tsinghua University, known as "China's MIT", the top school in the world for engineering research, according to a new U.S. News & World Report ranking. He said, UET will be signing several agreements with other leading universities and institutions of China which will result in economic development of Khyber Pakhtunkhwa in particular, and region in general, through investment in education. He said, all projects of Higher Education under the CPEC framework will be governed by the Government of Khyber Pakhtunkhwa rules and regulations.

Dr. Gul Muhammad, project focal person said, UET Peshawar had the idea of "Safe Roads and Safe City along the CPEC route" during the China Road Show held in April, 2016 because this project was of paramount importance regarding provision of peaceful atmosphere to the people from both Pakistan and China. He said that approval on safe roads and safe city project has been sought from the Government of Khyber Pakhtunkhwa, and now its feasibility study is in progress. The project will be jointly carried out by the experts of both universities which will ensure end-to-end monitoring system through CPEC route; installing safety points; 24/7 tracking of vehicles, and strong signal processing system.



Prof. Dr. Iftikhar Hussain, VC UET and Prof. Jianguo Chen exchanging the documents

The meeting besides others was attended by Pro-Vice Chancellor/Dean, Faculty of Engineering, Prof. Dr. Noor Muhammad, Registrar Khizar Azam, Director ORIC, Dr. Abdul Shakoor, Kashif Rehan, Focal Person of CPEC projects in Khyber Pakhtunkhwa.



Prof. Dr. Iftikhar Hussain group photo with the Chinese delegation

Mechanical Engineering Final Year Project Exhibition 2017

As many as 45 projects of Department of Mechanical Engineering were showcased during Project Exhibition 2017. The exhibition was aimed to provide a platform to the graduating students to present their mechanical projects that they had done during final year. The exhibition was organized by the Department of Mechanical Engineering under the supervision of Chairman Prof. Dr. M. Naeem Khan.

Prof. Dr. Iftikhar Hussain, Vice Chancellor, was the chief guest on the occasion. He visited all the projects exhibited and praised the efforts of the graduating students they had put into complete their final year projects. Such projects minimize the gap between the students and the industry as a number of leading industrialists have also been invited to the exhibition, he added.

Dr. Alam Zaib Khan, Engr. Naveed Ahmed and Engr. Zuhaib Ali Khan with the support of ROTRACT, a student society organized the one-day event. The Vice Chancellor termed the event as important experience for the graduating students where they could interact directly with people linked to the industry. Registrar, Dr. Khizar Azam, faculty members and large number of students were present on the occasion. The projects prepared by the students were mostly of energy and indigenous issues, having practical usages for market viability. A panel of judges from Mechanical Engineering Department evaluated the projects based on their presentation and work efficiency.



Three best declared projects of final year, Mechanical Engineering Department

Vice Chancellors' forum on Islamic Countries

A delegation of 130 Vice Chancellors/Rectors from 30 Islamic countries attended the Vice Chancellors' Forum on Universities in the Islamic World, held from 26 - 27 July, 2017 in Ankara, Turkey. The Forum hosted by the Government of Turkey provided a platform to university leaders for fostering collaboration, strengthening cooperation and encouraging dialogue for a closer bond among scientists and researchers of Islamic countries.

From Pakistan, the delegation was led by HEC Executive Director, Dr. Arshad Ali. Vice Chancellor, Prof Dr. Iftikhar Hussain, represented the university at the Forum and met with the Rectors of Middle East Technical University and Istanbul Technical University. Dr. Iftikhar said, being the world renowned universities in Engineering and Technology. UET Peshawar would look into the means to sign MoU's with these universities in near future.

The Vice Chancellor's Forum is a non-political forum in which Vice Chancellors/ Rectors/ Presidents of the universities interact and explore networking opportunities that bring them together for future collaboration. Earlier the last three forums were hosted by Pakistan.

UET Peshawar Entrance Test 2017 held, 16860 candidates appeared

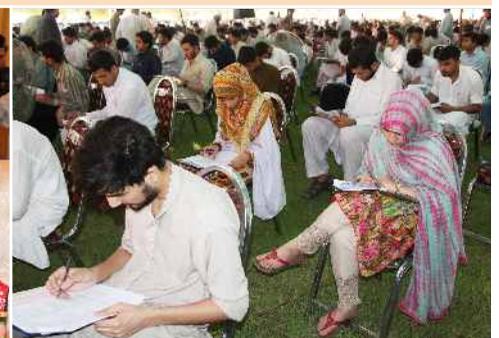
Entrance Test for Academic Session 2017-18 was successfully conducted on 16th July, 2017 Sunday simultaneously at Peshawar, Abbottabad, Swat and D.I. Khan. In Peshawar, the test was conducted on two venues including Islamia Collegiate Ground and Cricket Ground at University of Peshawar; in Abbottabad test was conducted in Ayub Medical College; in Swat at Grassy Ground Saidu Sharif and University Wensum College in D.I, Khan.

The test was conducted by the Educational Testing and Evaluating Agency (ETEA) of Government of Khyber Pakhtunkhwa. Around 16860 candidates from Khyber Pakhtunkhwa, FATA, AJK and Gilgit Baltistan appeared for the entrance test. The result will be announced on 17th July, 2017 and available on ETEA website (www.etea.edu.pk). The same will be displayed on UET's main notice board.

Prof. Dr. Iftikhar Hussain, Vice Chancellor who was present on the occasion, expressed his satisfaction over the arrangements for the Entrance Test. He said, due to large number of students appearing for the test in Peshawar, it was conducted at two places which gave candidates a comfortable environment. He also thanked Campus Police for providing foolproof security for the test. At Peshawar Centre, a total of 10221 candidates appeared in the test with 9828 candidates for admission in engineering disciplines, and 393 candidates appeared for Computer Science group.

At Abbottabad Center among 2135 candidates, 2065 candidates appeared for engineering group, whereas 179 candidates for the computer science group, at Swat Centre, 2844 candidates appeared in the test with 2790 candidates for engineering disciplines, and 17 candidates appeared for Computer Science group while at D.I. Khan Center 1652 candidates appeared in the test with 1611 candidates for engineering disciplines, and 41 candidates appeared for Computer Science in the entrance test. Altogether 647 female candidates and 16205 male candidates appeared in all centers.

Pro-Vice Chancellor, Engr. Prof. Dr. Noor Muhammad, Registrar, Dr. Khizar Azam, Director Admissions, Dr. Misbahullah, Secretary Higher Education Department (HED) KP, Syed Zafar Ali Shah, Additional Secretary HED, Dr. Khalid Khan, Vice Chancellor Khyber Medical University Dr. Arshad Javed, ETEA Officials, faculty members and administrative staff of UET were also present on the occasion.



Directorate of Media & Publications participates in Education Expos

The Directorate of Media and Publications participated at three Education Expos' including Dawn International Expo held from 3rd to 4th February, 2017, at Pak-China Friendship Center, Islamabad, The News Education Expo held on 3rd May, 2017 at Sheraz Arina, Peshawar, and Express Career & Education Expo held from 18th to 19th July, 2017 at Sheraz Arina, Peshawar. The Expo's were a true display of options available in higher education – from public to private universities within Pakistan. Representatives of international universities and their representing agencies such as US, UK, Canada, Australia and Europe were also present and attracted the younger audiences to seek first hand advice on admissions abroad. At the Express Education Expo, Minister for Education Khyber Pakhtunkhwa Mr. Atif Khan visited the stall. Director Media & Publications presented the UET Annual Report and UET souvenir designed by UET Gems & Jewelry Center for Excellence.

UET team welcomed the visitors and acquainted them with admission procedures of UET's Undergraduate and Postgraduate programs, diploma courses and consultancy services in Gemology, engineering courses offered at the Continuing Engineering Education Center and business incubation services offered by the Technical Incubation Center. The information desk also offered career counseling service to students and audiences to make the best education choices as well as disseminated in-depth information through brochures, prospectuses and folders at the event. The Expo team was led by Dr. Shamaila Farooq, Director Media & Publications including, Dr. Abdul Shakoore, Director ORIC, Amjad Ali, Gems and Jewelry Center of Excellence, Mr. Aurangzeb, Assistant Information Officer, Luqman Aziz, Directorate of Admissions, Mr. Faisal Khan (ISP) and Mr. Ijaz George, Photographer.



UET Peshawar in News

The Directorate of Media & Publications has covered number of activities to raise the image of University during this quarter. It is involved in covering official events in leading newspapers and electronic media outlets. In addition, it has published Undergraduate and Postgraduate Prospectus 2017-18, Annual Reports 2014-15, Newsletters and event based publications. Mainly, 52 major events have been reported in the press with frequency of 520 times news stories published in the press. Moreover, 64 advertisements from different sections while 13 advertisements under the admission campaign have been released. The Directorate has also conducted three education expos and one nationwide UET admissions campaign (2017-18) via coverage and publicity in print and electronic media.



Prof. Dr. Iftikhar Hussain appointed as VC UET Peshawar

Prof. Dr. Iftikhar Hussain, Professor Industrial Engineering UET Peshawar has been appointed as Vice chancellor, on 9th June, 2017 for a period of three years. The appointment is made by Governor Khyber Pakhtunkhwa Iqbal Zafar Jhagra who is also the Chancellor of UET, Peshawar as per notification of the Higher Education Department, Khyber Pakhtunkhwa.



Engr. Prof. Dr. Noor Muhammad appointed as Pro-VC UET Peshawar

Engr. Prof. Dr. Noor Muhammad, Dean, Faculty of Engineering UET Peshawar has been appointed as Pro-Vice chancellor, on 16th February 2017 for a period of two years. The appointment is made by Governor Khyber Pakhtunkhwa Iqbal Zafar Jhagra who is also the Chancellor of UET, Peshawar as per notification of the Higher Education Department, Khyber Pakhtunkhwa.



Meetings of Syndicate Held

The 104th & 105th meeting of the Syndicate of were held 18th and 31st August respectively under the chair of Vice Chancellor, Prof. Dr. Iftikhar Hussain. The Syndicate approved the creation of new faculties, budget of financial year 2017-18, increase in salaries and pension of employees as per Govt. notification, recommendations of 81st meeting of the Selection Board held on 10th July, 2017, recommendations of the Finance & Planning Committee and recommendations of the 71st meeting of Academic Council held on 23rd June, 2017. The registrar, Dr. Khizar Azam co-chaired the meetings.



The first large scale test on multi-storey reinforced concrete building

The first large scale test on multi-storey reinforced concrete building will be conducted under the supervision of Dr. Khan Shahzada, Associate Professor Civil Engineering Department, supervisor of PhD student Engr. Syed Azmat and co-supervised by Dr. Syed Muhammad Ali, Director, Earthquake Engineering Center.

Dr. Khan Shazada said, the results of this PhD research will be incorporated in the Building Code of Pakistan and provide guidelines to the Government and professionals in the construction industry on strengthening of existing infrastructure based on the indigenous material.

Letter of Collaboration signed with Universiti Teknologi Malaysia (UTM)

UET Peshawar and Universiti Teknologi Malaysia (UTM) have signed a Letter of Collaboration (LoC) to harness experts and resources from both institutions to collaborate effectively in the field of engineering. Prof. Dr. Mohammad Nasir bin Tamim, Deputy Dean (Research and innovation) and Vice Chancellor signed the LoC in the presence of Heads of Departments.

The Vice Chancellor in his address said, that this collaboration will enable faculty and researchers to synergize with each other in research and development. With this signed LoC, both universities have agreed that collabora-



The Vice Chancellor & Prof. Dr. Nasir, Deputy Dean ORIC, UT Malaysia signing LoC

tion shall involve Research and Development (R&D) activities, and faculty & student exchange to further enhance the research particularly in mechanical engineering.

Prof. Dr. Nasir, said, UTM strongly believes in collaborating with reputable universities of the region to ensure that research conducted promotes universal prosperity. "There are more than 300 Pakistani scholars studying and teaching at UTM". "This collaboration will further pave the way for research collaboration in state of the art fields", he added.

MoU Between UET and IMSciences



UET Peshawar and IMSciences have signed an MoU to collaborate activities in the sphere of capacity building of technical staff of public sector institutions under the project titled, "Capacity Development of Staff of targeted line agencies in Nowshera and Haripur districts of Khyber Pakhtunkhwa". Vice Chancellor and Dr. Mohammad Mohsin Khan, Director IMSciences signed the MoU on June 16, 2017. The project is awarded to IMSciences by KfW-AID; UET Peshawar has entered as a partner institution to conduct skilled trainings for the technical staff and use of its equipment.

Dr. Mohammad Mohsin Khan said, through this MoU, both institutions would also help to engage in capacity

building, curriculum development and hands-on training of the staff under the supervision of UET Peshawar's qualified teaching faculty.

Farooq Azam, Coordinator Human Resource Development Center, IMSciences said, this project after the completion of pilot phase in Haripur and Nowshera, will be replicated to other districts of Khyber Pakhtunkhwa. Pro-Vice Chancellor Engr. Prof. Dr. Noor Muhammad, Registrar Dr. Khizar Azam and senior faculty from both institutions were present on the occasion.

Gas Engineering Lab in collaboration with SNGPL inaugurated

The Vice Chancellor inaugurated a well equipped Gas Engineering Lab at the Department of Mechanical Engineering. The lab is established as part of funding by Sui Northern Gas Pipelines Limited (SNGPL) to sponsor a Chair on Gas Engineering at Department of Mechanical Engineering, UET Peshawar. The project, currently in its third year is sponsored by SNGPL through annual recurring grant of Rs. 3.32 million whereas, UET Peshawar provides expertise for research to find solutions to the technical problems faced by SNGPL.

The Vice Chancellor on the occasion stressed the importance industry- academia linkage. He thanked the SNGPL for financial and technical assistance. He appreciated the efforts of Chair on Gas engineering Prof. Dr. Naeem Khan and lead person Dr. Ashfaq Khan. He assured his continuous support to enhance research activities at UET Peshawar. Dr. Naeem Khan, in his welcome address thanked SNGPL for the research grant and appreciated the technical support of SNGPL Regional Office Peshawar.

Representative of SNGPL, Engr. Roman Fazal, while speaking on the occasion greatly appreciated the expertise provided by the Department in resolving the technical problems faced by SNGPL.



Vice Chancellor inaugurating the Lab

Ph.D. Defense of Sakhi Zaman & Imtiaz Ahmed Held

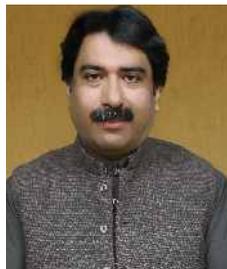
Sakhi Zaman and Imtiaz Ahmad, Department of Basic Science & Islamiyat, have defended their Ph.D theses on 28th August, 2017. Prof. Dr. Siraj-ul-Islam, Chairman Department of Basic Sciences & Islamiyat, UET Peshawar was the supervisor of Sakhi Zaman & Imtiaz Ahmad. The topic of their Ph.D theses are “Numerical Evaluation of Highly Oscillatory Integrals” and “Local meshless collocation method for numerical solution of partial differential equations”, respectively. The Research Evaluation Committee included members from university and other research institutions, including Dr. Noor Badsha Asstt. Professor Basic Sciences, UET Peshawar, Dr. Safi-ur-Rehman, Asstt. Professor, Quraquram Int. University, Dr. Imran Aziz, Associate Prof. University of Peshawar and Dr. Baseer Ullah, General Manager, NESCOM Islamabad.

Dr. Siraj ul Islam addressed the audience on the occasion. He said, the Department of Basic Sciences & Islamiyat is facilitating the scholars to pursue their research pursuits in the field of Mathematics which is evident from two PhD scholars completing their research and contributing to the field from UET Peshawar. He congratulated the scholars on a successful defense of their theses. A large number of scholars and academia were present on the occasion.



Engr. Noman Latif defended his Ph.D. Thesis

Engr. Noman Latif, Department of Agricultural Engineering, has defended his Ph.D thesis on 14th March, 2017. The topic of his Ph.D thesis was “Development of risk assessment framework for optimizing the system performance of spate irrigated areas in Pakistan”. Prof. Dr. Taj Ali Khan, Chairman Department of Agricultural Engineering, UET Peshawar is the supervisor of Engr. Latif. He presented his research findings through a seminar in public forum session, followed by Viva-Voce examination by the Examination Committee.



Engr. Latif conducted this study in D.I.Khan (Daraban) to identify major risk factors contributing to low crop productivity in spate irrigated areas. He said, mostly the floods take place in the northern areas of Khyber Pakhtunkhwa which requires careful planning not only on risk reduction, but its management. Some major risks fac-

tors included an excess of availability of water, drought, siltation and diversion system performance which were badly affecting the crop production, loss of social and economic outcome.

Engr. Nisar Muhammad defended his Ph.D. Thesis

Engr. Nisar Muhammad, Department of Mining Engineering, defended his Ph.D thesis on 6th April, 2017. The topic of his Ph.D thesis was “Investigation of effective parameters for the Talc recovery from Talc-Carbonate Schist of Swat area by flotation and leaching”.



Prof. Dr. Noor Mohammad, Pro-Vice Chancellor/Dean, Faculty of Engineering was the supervisor of Engr. Nisar. He presented his research findings through a seminar in public forum session, followed by Viva-Voce examination by the Examination Committee.

Universities must set-up the Corporate Advisory Councils for University-Industry Partnership: Dr.Arshad Ali ED, HEC

Universities must set-up the Corporate Advisory Councils where major sector of industry have full participation in finding opportunities of joint academic- industrial linkage. HEC will ensure a mechanism to follow up the progress of universities in industry engagement in this regard. This was stated by Dr. Arshad Ali, Executive Director, HEC Islamabad in a consultative meeting on "University-Industry Partnership", organized by HEC Regional Center. Director HEC Regional Center, Mr. Shafiullah hosted the meeting.

Dr. Arshad Ali said that one of key challenges in economic development of Pakistan is weak linkages between universities and the industrial sector. "HEC is well aware of this issue and is fully committed to facilitate the universities and industry to bridge this gap and explore all potential areas that would harness economic development and prosperity for the future generation of the country for the enhancement of Industry-Academia collaboration ". said, Dr. Arshad Ali,. He said HEC will fund 80 percent funding to university where projects of immediate need are demanded by the industry. He assured that HEC would grant the funding in six weeks for such projects.

Muhammad Iqbal, Senior Vice President, KP Chamber of Commerce & Industry appreciated the role of HEC in organizing this important meeting and providing a platform to the experts to share their knowledge in identifying key challenges and way forward for promoting an enabling environment for demand-oriented industrial-lead research culture in universities of KP. He said, due to war on terrorism, the province had faced hardships in form of industrial collapse and slow economic growth, but people are resilient to change their destiny. Chamber of Commerce has a dedicated R&D Cell and participation of academia is welcomed in this forum.

Ms Farah Hamid, Provincial Secretary, Industries emphasized upon the urgent need of University-Academia collaboration as this phenomena is very common in other countries whereas in Pakistan this is not happening. The workshop was attended by a large number of representatives from industry including KP OGCL, KP EZDMC, KP Chamber of Commerce & Industry, Heads of ORIC, Vice Chancellors and Directors of public sector universities including UET Peshawar, UoP, Islamia College, IM Sciences, CECOS, Agricultural, SBBWU and FATA University.



4th Meeting of Senate Held

Fourth meeting of the Senate was held in Governor House Peshawar with Chancellor/Governor Khyber Pakhtunkhwa, Iqbal Zafar Jhagra in chair. The Vice Chancellor, Prof. Dr. Iftikhar Hussain briefed the meeting about the progress and future plans of the university.

After detail deliberations and discussion on several agenda items, various decisions regarding the academic development, budget and statutes were reviewed. The Senate approved the University annual report for the year 2014-15 and also accorded approval of minutes of the meetings of 2nd and 3rd Senate meetings, held previously. The revised budget of 2014-15 was approved and formulated a committee to tune the budget estimates of year 2016-17. The Senate directed to complete this process in four days so that the estimated budgets are approved in due time. The Senate approved the statutes 2016 in principle and formulated a committee for the final draft. The Governor Khyber Pakhtunkhwa/Chancellor commended the untiring efforts of Dr. Iftikhar Hussain and his committed team for the academic uplifting of the university. He also emphasized over HEC to provide funds for the boundary wall of the Jalozai Campus which had been closed earlier due to worsening law and order situation in the province. He appreciated the efforts of Vice Chancellor in taking steps in cognizance with the Provincial government's directives in terms of ensuring security to the Campus and simultaneously continuing classes for the enrolled students in Main Campus.

MCE Risalpur and UET Peshawar Signed MOU



Engr. Prof. Dr. Noor Muhammad, Pro-Vice Chancellor and Brig Dr. Sarfaraz Ali, Dean Military College of Engineering, Risalpur

UET Peshawar and Military College of Engineering, (MCE) Risalpur signed a three-year memorandum of understanding on May 15, 2017 to further mutual goals of academic and research opportunities for the students and faculty. Pro-Vice Chancellor/Dean, Faculty of Engineering UET, Peshawar Engr. Prof. Dr. Noor Muhammad and Dean Military College of Engineering, Risalpur, Brig Dr. Sarfaraz Ali signed the MoU. Major General Muhammad Ajmal, Principal and Commandant, MCE, Risalpur was present on the occasion.

Engr. Prof. Dr. Noor Muhammad said, the agreement caps on a strong coordination of UET Peshawar with research and academic military institutions. The MoU, aimed to facilitate exchange of information and joint research would also explore possibilities for a new degree program and professional development programs.

Brig. Dr. Sarfaraz Ali, said the Military College of Engineering, Risalpur was established by the Pakistan Army in 1948. As campus of NUST, it is one of the prestigious institutes of engineering especially, Civil and Aeronautical Engineering in Pakistan.

Dr. Khan Shahzada, President Engineering University Teachers Association (EUTA) and Associate Professor, Civil Engineering Department, UET Peshawar said, both UET and MCER have well-established disciplines in the field of engineering which have produced renowned engineers/professionals serving across the country.

KPOGCL and UET Peshawar Signed MOU to Establish the State-of-Art Technical Lab Facility

The Khyber Pakhtunkhwa Oil & Gas Company Limited (KPOGCL) and University of Engineering and Technology, Peshawar signed a memorandum of understanding to

establish the State-of-Art Technical Lab facility "JURASSIC-GEO LAB" at UET Peshawar. Raziuddin (Razi) Chief Executive Officer KPOGCL and Former Acting Vice Chancellor/Pro-Vice Chancellor UET, Peshawar Engr. Prof. Dr. Noor Muhammad signed the MOU on May 17.

The project is aimed to word-off the needs of growing petroleum industry specifically in Khyber Pakhtunkhwa not limited to Geophysical, Geological, Petroleum Reservoirs, but also to address the planning, designing, testing, analyzing techniques with highly sophisticated equipments for seismic processing interpretations, Crude oil Production tests, Geochemical & Elemental analysis, Petroleum reservoirs and their relative coring & testing, Geological & surface mapping services with real time data sets and imageries.

Raziuddin said, it is for first time that a true implementation of industry, academia & research integration is being undertaken to amalgamate Business Models of KPOGCL and U-S. Pakistan Center for Advanced Studies in Energy at UET Peshawar, a USAID-funded project in energy through a steering committee of experts. The team of experts will oversee the implementation of a strategy for involving the high-end oil and gas geo-lab in research and business companies and establishing linkages with international organizations to ensure sustainability of the project.



Raziuddin (Razi) CEO KPOGCL and Pro-Vice Chancellor signing the MoU

Skill up-gradation training workshop "OrCAD Electrical and Microcontroller"

A two-week long Skill up-gradation Training Workshop on "OrCAD Electrical and Microcontroller" was held by the Khyber Pakhtunkhwa Technical Education & Vocational Training Authority (KP-TEVTA) and Government Technical Teachers Training College (GTTTC) Hayatabad, Peshawar in collaboration with UET Peshawar. The Workshop was organized under the Project "Capacity Building of Faculty/Officers/Staff in various Disciplines/Areas".

Twenty Faculty members from different Technical Colleges/Institutes of KP province participated in the workshop which was carried out by Engr. Salman Ilahi and Engr. Muhammad Nasar Jamal, Department of Electrical Engineering, UET Peshawar.

At the Closing ceremony, certificates were distributed among the participants by Prof. Dr. Naeem Arbab, Professor Department of Electrical Engineering, UET Peshawar and Engr. Abdul Rasheed, Principal GTTTC, Peshawar. Prof. Dr. Syed Waqar Shah, Prof. Dr. Inayat Ullah Khan Babar, Prof. Dr. Amjad Ullah Khattak and Dr. Gul Muhammad, Department of Electrical Engineering were also present on the occasion.



Group photo of Workshop participants

TECHNO-FEST 2017

The Institution of Civil Engineers (ICE) Student Chapter UET Peshawar arranged a three-day event "TECHNO-FEST 2017", from 10th - 13 May, 2017. Pro-Vice Chancellor, Engr. Dr. Noor Muhammad Pro-Vice Chancellor/Dean, Faculty of Engineering was the chief guest on the occasion. He said, young engineers need to learn about in-demand careers through interactive exhibits and job fairs like this. He urged towards students to start their career with the aim to contribute towards society rather than money only.

Dr. Naveed Ahmad, Former Director Clubs informed that the aim of ICE is to make students aware of the developments in the field of engineering, specifically civil engineering, around the globe, to provide them with a platform for grooming and growth and one through which they may communicate and learn from their foreign counterparts.

Dr. Amjad Naseer, Advisor ICE said, the event featured four separate events including job Fair, seminar on Earthquake engineering and its trends, the Bridge and Tower building competition. Envoys from different firms in Peshawar and students and graduates from different schools and universities participated in the said event.



Building Models demonstrated at Techno-Fest 2017

UET Peshawar and USAID's Funded Project, Skills for Youth sign MoU

UET Peshawar and USAID funded project, "Skills for Youth" have signed a memorandum of understanding on 19th September, 2017. The aim of MoU is to establish a Cisco Academy Support Center at the Department of Computer Systems Engineering UET Peshawar. The Vice Chancellor, Prof. Dr. Iftikhar Hussain and Chief of Party, USAID Skills for Youth project, Dr. Ijlal Hussain signed the agreement.

The Vice Chancellor said, UET Peshawar is the first public sector university to establish the CISCO Networking Academy where as 40 such centers are established in nine districts of Khyber Pakhtunkhwa by the project.

Dr. Ijlal Hussain said, Skills for Youth is a project of the World Learning, a U.S. based foundation established in 1932. The Project is aimed to equip the marginalized youth of KP with state of the art skills and then to link them to employment opportunities. He said, UET Cisco certified staff will train the youth in IT and Cisco certified training courses which will result in employment opportunities in the field of IT and ICT.

The meeting besides others was attended by Dr. Shakoor, Director ORIC, Pro-Vice Chancellor/Dean, Faculty of Engineering Prof. Dr. Noor Muhammad and Registrar Dr. Khizar Azam.



Seminars, Workshops & Conferences

UET Peshawar and MUET hold International Conference Industrial Engineering and Management Applications Conference

The two-day International Conference on Industrial Engineering and Management Applications (IEMA-2017) was held at Mehran University of Engineering and Technology (MUET, Jamshoro, Sindh). The conference was jointly organized by MUET and UET Peshawar, supported by Higher Education Commission. The speakers highlighted the need for strong academic-industrial collaboration and preparedness at all levels through China-Pakistan Economic Corridor (CPEC) beyond only infrastructure and power generation projects. The local manufacturing industries should set process parameters to ensure competitiveness and sustainability which is only possible if university-industry linkages is strengthened and industry directly starts mentoring the fresh graduates on entrepreneurship skills. Recommendations were forwarded by the speakers at the the First International Conference on Industrial Engineering and Management Applications (IEMA-2017).

Prof. Dr. Hussain Bux Marri Conference Convener and Chairman Department of industrial Engineering MUET, Jamshoro said the conference will present 85 research publications from researchers and hold five technical sessions during two days. Dr. Sahr Noor, Director QEC, UET Peshawar, the key organizer of the conference said, Masters and Ph.D students of Industrial engineering Department presented five research publications to be published in International journals.

Prof. Dr. Aslam Uqali Vice Chancellor, MUET in his address said, universities need to get on one platform to highlight such issues of critical importance through relevant departments. He said such conferences will be held regularly with active participation of industry.

The Vice Chancellor, Prof. Dr. Iftikhar Hussain, UET Peshawar said, based on survey conducted for a Ph.D research on Policy framework for effective operation of manufacturing sector in Pakistan, the survey of 200 local industries revealed that, contribution of manufacturing sector in GDP is very low due to no visible Government incentive and import driven inward policy of Government which only pay attention at macro level. This approach, he said, should be changed and incentives based policy should be introduced at micro level. The conference covered different themes through guest lectures and seminars.



Project Formulation

A two-day "Project Formulation Workshop" was held on July 21st, 2017 jointly organized by Office of Research, Innovation and Commercialization (ORIC) UET Peshawar and Pakistan Science Foundation (PSF) Islamabad. The objective of training workshop was to enhance the capabilities of researchers and faculty to prepare funding proposals as per requirements of PSF and funding agencies.

The Vice Chancellor was the chief guest at opening ceremony. In his opening remarks, he stressed on the importance of the workshop and asked the participants to get maximum benefits from the opportunity. He also apprised the participants about HEC funded projects including National Research Program for Universities (NRPU) and Center for Artificial Intelligence awarded to the university. He assured cooperation to PSF for promotion of research culture in universities.

Earlier in his remarks, Dr. Mirza Habib Ali, Director Research Support, Natural Science Linkage Program, PSF said that PSF is committed to spur the culture of research and development in the country for a better socio-economic development of the country. Arrangement of the project formulation workshops are one of the endeavors in this regard. He informed that this is the 28th training workshop of its kind we have arranged so far across the country and we feel really inspired to be here and facilitating researchers and faculty of UET Peshawar in the area. The workshop was attended by a large number of researchers and scientists from public and private universities of KP. Dr. Shafiq-ur-Rehman, Pro-Vice Chancellor, Kohat University of Science & Technology, Dr. Muhamamd Alam Zaib Khan, Former Director ORIC, and Mr. Muhammad Israr, Scientific Officer, PSF were also present on the occasion.



Prof. Dr. Iftikhar Hussain, Vice Chancellor UET Peshawar group photo with workshop participants

Symposium on Numerical Computing and its Applications

The Department of Basic Sciences and Islamiyat, organized a one day symposium on Numerical Computing and its Applications on February 28, 2017. The symposium was aimed to share latest developments in the field of numerical computing and promote the understanding of Mathematics in engineering disciplines.

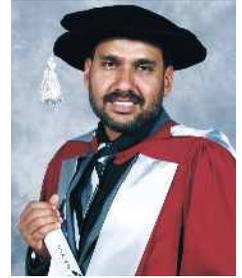
Prof Dr. Noor Muhammad, Pro-Vice Chancellor/Dean, Faculty of Engineering was the chief guest on the occasion. He said, the main spirit behind the activities is to bring together mathematicians, scientists and engineers to solve scientific and industrially oriented problems and to provide a forum for the participants to exchange ideas of common interest. He encouraged the young faculty and scholars to apply this knowledge in their respective engineering fields and promote interdisciplinary research.

Prof. Dr. Siraj-ul-Islam, Chairman Department of Basic Sciences and Islamiyat welcomed the participants and spoke on latest developments in numerical computing. The other speakers included Dr. Asifullah Khan, Professor PIEAS, Dr. Shams-ul-Qamar, Department of Mathematics, COMSATS, Islamabad and Dr. Abdullah Shah, Associate Professor, COMSATS, Islamabad.



In Focus: Dr. Naseer Ahmed

Dr. Naseer Ahmed Khan has recently resumed duty as a Lecturer, after successfully completing Ph.D. (April, 2016) degree, in the Department of Chemical Engineering, The University of Newcastle, Australia. He completed his Bachelor and Master degrees in Chemical Engineering from University of Engineering & Technology Peshawar, Pakistan in 2003, and 2008, respectively. He got his research experience in the field of catalysis under the supervision of Prof Michael Stockenhuber, Prof Eric M. Kennedy, Prof Bogdan Z. Dlugogorski, and Prof Adesoji A. Adesina, at Priority Research Centre for Energy, The University of Newcastle, Australia. He has published numerous research papers in reputable journals.



The main focus of his doctorate research was to explore the effective ways to convert the unutilized natural gas reserves into valuable chemicals. The selective oxidation of hydrocarbons, and in particular natural gas of which CH₄ is the primary constituent, is notoriously difficult to control, mainly due to propensity of the reaction to generate products of complete combustion. For the first time, nitrous oxide (N₂O) was recognized as a more selective oxidant than oxygen (O₂) to produce valuable products including synthesis gas (CO + H₂). The thesis in general provides a detail knowledge of the scope of selective oxidation of natural gas (mainly CH₄) with N₂O over cobalt catalysts.

Speakers Stress on Implementing OBE System

Speakers at a two-day International Workshop on Outcome Based Education (OBE/OBA) System stressed the need for the implementation of the OBE system in the higher education institutions. The workshop was organized by UET Peshawar in collaboration with Pakistan Engineering Council (PEC) from 2nd to 3rd May, 2017. World renowned speaker and mentor for Pakistan on implementation of OBE System, Engr. Azlan Abdul Aziz, Malaysia and Engr. Niaz Ahmed Engineering Accreditation Department, PEC were the key speakers and trainers of the workshop.

PEC Chairman Javed Saleem Qureshi addressed the audience as chief guest. He said, that Pakistan Engineering Council has made different reforms in the engineering education sector. He stated that outdated policies are redefined to face the challenges of upcoming era. "No university can be set up unless it proves its financial strength and qualified faculty" adding, "PEC would issue student registration cards to the newly admitted students of recognized engineering institutions so that the institutions are accountable for offering engineering degree programs", he said. He said, PEC was committed to change the education system to outcome based education and assessment with commitment that Pakistani engineers would soon become part of international fraternity as far as their quality and ranking are concerned.

Speaking on the occasion, Engr. Prof. Dr. Noor Mohammad, Pro-Vice Chancellor/Dean, Faculty of Engineering said, keeping pace with the international trends in higher education sector was the need of the hour. He appreciated the efforts of PEC in bid to attain full membership of the Washington accord by fully implementing the OBE System. Prof. Dr. Innayat Ullah Babar, Professor Department of Electrical, UET Peshawar was the focal person of the workshop.



With Compliments
Directorate of Media and Publications
 University of Engineering & Technology, Peshawar
 E-mail: dirmedia@uetpeshawar.edu.pk
 Website: www.uetpeshawar.edu.pk
 Tel: (92-91) 9216796-8, (92-91) 9222147 P. O. Box: 814

Editor:
 Dr. Shamaila Farooq
 Director Media & Publications

Design & Layout:
 Aurangzeb (Asstt. Information Officer)

Photos:
 Ijaz George

CORRESPONDENTS

Mardan Campus: Dr. M. Usman (Coordinator)
 Bannu Campus: Dr. Yasir Irfan Badrashi (Coordinator)
 Abbottabad Campus: Dr. Riaz-ul-Hasnain (Coordinator)
 Kohat Campus: Dr. M. Irfan Khattak (Coordinator)
 Jalozi Campus: Dr. Kareem Akhtar (Coordinator)