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3rd Senior Officers Leadership Course Concludes Broad spectrum of global, regional and national challenges deliberated at the forum



Participants and other dignitaries with DG SPD and Chairman PAEC

DG SPD, Lt. Gen. Sarfraz Sattar emphasized the importance of grooming the scientists and engineers of strategic commissions for future leadership roles while inaugurating the 3rd Senior Officers Leadership Course (SOLC) which was held in PIEAS Auditorium on 8th October 2018. He apprised the audience about the contemporary geo-strategic environment at global and regional level. He explained the aspects and trends of global strategic environment which are impacting our strategic community.

DG SPD specified the broad spectrum of global, regional and national challenges which we face today, especially the challenges faced in the strategic domain. In the light of the described broader perspective, he zoomed into the challenges faced by contemporary senior leadership of strategic organizations. He stressed the significance of SOLC as a forum for the exchange of ideas and thoughts as well as a platform to strengthen bonds between various strat organizations. "It is only through this synergy, through esprit de corps, through unity of effort, that we can progress", he entrusted.

Chairman PAEC, Mr. Muhammad Naeem, presented the achievements of PAEC, highlighted the current internal and external challenges and threats,

and suggested the way-forward.

Besides the course participants, Chairmen and Members of Commissions, DGs of SPD and other senior officials were also present during the opening ceremony.

Senior Officers Leadership Course has been instituted by SPD in 2017 to foster a dynamic leadership in strategic organizations with clear strategic vision, the ability to exert the right extent of strategic thrust with passion and institutionalized discipline. The course is offered to senior leaders (SPS-XII and above) of strategic organizations and it is hosted by PIEAS with Dr. Ansar Parvez as the Course Advisor, and Education Directorate of SPD as a joint coordinator.

Twenty four senior executives from PAEC, NESCOM, KRL, SUPARCO, PNRA and NCP participated in the course.

The concluding ceremony of SOLC-03 was held on 26 October 2018 in PIEAS Lyceum. Chairman KRL, Mr. Tahir Ikram, was the Chief Guest on the occasion. In his speech, he emphasized that there is a dire need of leadership grooming for our senior leaders who are otherwise technically excellent and unmatched.

Post-Graduate Training Course on “Nuclear and Other advanced Techniques in Agricultural and Biological Research” at NIAB

Keeping in view the importance of research and transfer of technology, NIAB has always been at the forefront through meaningful resources like a number of scientific visits, workshops, farmers' days and training courses.

With the same objective, NIAB organized a two-week Post-Graduate Training Course from September 03-14, 2018, which was attended by 18 participants from all over the country representing multi-disciplinary organizations as well as educational sector.

While addressing the audience, the Chief Guest Director PINUM Dr. Muhammad Saeed Akhtar stressed upon the importance of adherence among

academia, research and industry as the need of the time.

Earlier, Director NIAB Dr. Iftikhar Ali, in his welcome address, highlighted the efforts of the Institute for the services of mankind at a wider scale. He also thanked the Course participants to be the part of this event and making it a real success. He also encouraged the Course organizer Dr. Shahid Nadeem and his team working with the same spirit. The successful candidates were awarded certificates by the Directors.

The Course ended with a note of thanks by Mr. Mujahid Hussain, Head, Animal Sciences Division, NIAB.



Participants of the Training Course along with Dr. Shahid Mansoor, (Director NIBGE), Dr. Iftikhar Ali (Director NIAB), Faculty, and organizers

Centralized Teachers' Training by Directorate of Education

PAEC Directorate of Education arranged Centralized Teachers' Training workshop from 06-10 August 2018 at PAEC Education Centre Chashma. This workshop was divided into two categories viz Inquiry Based Science Education (IBSE) and Pedagogical skills. The Directorate took the initiative of promoting Inquiry Based Science Education (IBSE) in its institution on primary level. In the pursuit of this objective science teachers were trained in IBSE Workshops held under the auspices of ECO Science Foundation. IBSE workshop held in PAEC JMS-II Chashma August aimed at motivating and equipping science teachers to use hands-on activities and working models to clarify and strengthen the concepts of students. 30 science teachers attended this workshop which included 17 hands on activities. The second phase of this Centralized Teachers Training Program comprised pedagogical skills.

Twenty Six (26) teachers got the opportunity to refresh their knowledge on various aspects of learning and teaching including child psychology, conceptual teaching, lesson planning, latest teaching methodologies and communication skills. Besides engaging resource persons from Chashma and Jauharabad, the organizers also invited renowned guest speakers from local projects of Chashma site to make the workshop more fruitful.

In the opening ceremony, Director Education Dr. Iftikhar Ahmad dilated upon the objectives of the workshop and thanked the local authorities for their generous cooperation in the conduct of such workshops. Chief guest Syed Farman Hussain, Director General KCI appreciated the efforts of the Directorate of Education for professional development of teachers. He laid emphasis on the character building of students. Facilitators used modes of Power point presentations, video sharing and Hands-out for maintaining the interests of the participants. In their feedback, the trainees rated the workshops overall successful.



Participants listening to a lecture

Handing and Taking Over Ceremony of the Fire-Tenders graced by Chairman PAEC



Chairman PAEC talking with fire fighters

Directorate General of Safety (DOS) is determined to enhance occupational safety measures at all PAEC facilities. In this regard, Fire Control and Rescue stations (FCRs) are being established at four (4) key PAEC sites, i.e. Nilore, Chahsma, Khushab and DG Khan. These stations will play a vital role in reduction of fire incidents and will also offer assistance in other emergencies.

The FCRs will be operational round the clock with dedicated crews, ready to respond to emergencies at any unit of the respective complex. A batch of officers from DOS has already completed a comprehensive 'Firefighting and Rescue' training course from the Emergency Services Academy of RESCUE 1122, and will assume the role of Station In-charge at their designated FCR station. Each station will be fully equipped with state of the art firefighting and rescue equipment, an Emergency Vehicles fleet (2 Fire-Tenders, 1 Rescue Vehicle and 1 Ambulance) and a large in-house water storage reservoir.

The FCRs project is expected to be completed by June, 2019 and it has been decided that the Fire-Tenders shall be handed over to the respective complexes to get maximum utilization of these vehicles during any untoward incident at the site.

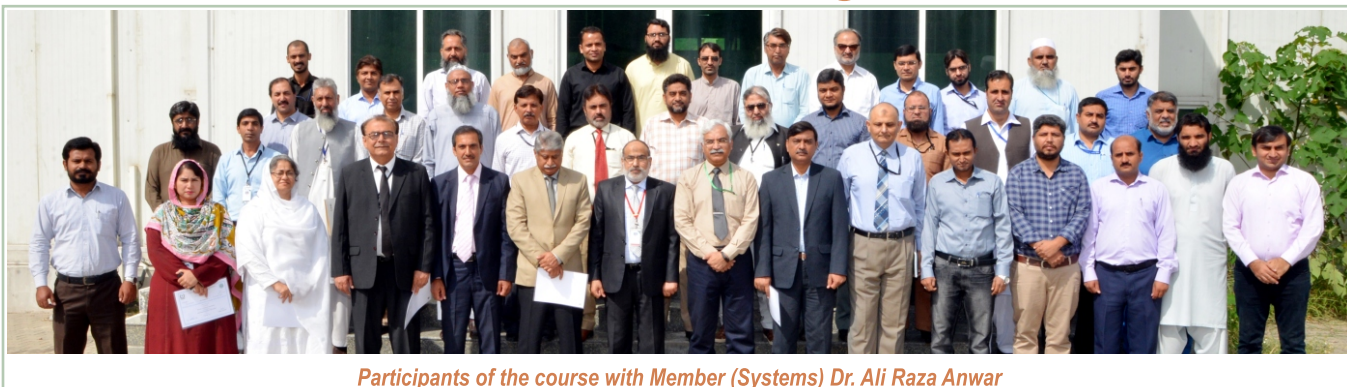
"Handing and Taking Over Ceremony" of the Fire-Tenders was held on 31st August, 2018 which was graced by the presence of worthy Chairman, PAEC. The four tenders were handed over to the site authorities in presence of respective Members and Director Generals. An MoA was signed between DG (DOS) and the DGs of respective sites regarding the handover of the Fire-Tenders.

During the ceremony the future station in-charge officers of FCRs presented a demonstration of operational capabilities of the Fire-Tenders and a mock medical extrication in a simulated scenario. The worthy Chairman and respective Members witnessed the entire activity and appreciated the efforts of the Directorate of Industrial Safety, DOS in establishing of FCRs and enhancement of safety at PAEC complexes.



Fire tenders at PAEC Hqs

Course on Ageing Management of Nuclear Power Plants at DGD Training Center



Participants of the course with Member (Systems) Dr. Ali Raza Anwar

In continuation of the efforts to enhance the capacity of PAEC officials, DGD Training Center, Islamabad arranged a "Training Course on Ageing Management of Nuclear Power Plants (NPP)". The course was organized by Directorate of Training (DOT), DGD in collaboration with Ageing Management Directorate (AMD) of PAEC Hqs. It was held from

October 03-05, 2018 at DGD Training Center, Islamabad.

The main objective of the course was to provide basic knowledge about ageing management of NPP and Ageing Management Programme (AMP) implemented in various PAEC establishments. The topics covered in this course included: basic concepts

of Ageing Management (AM), attributes of ageing management programme (AMP), AMP at CNPGS, AM of safety related concrete structures, AM in electrical cables, condition assessment tools and equipments and implementations of AMPs in PAEC.

Thirty six (36) participants from different PAEC establishments like HMC-3, DNPO, ICCG, CNPGS, KANUPP and PINSTECH, took part in this event.

Certificate Distribution Ceremony was held on October 5th, 2018. Member (Systems), Dr. Ali Raza Anwar, honoured the closing ceremony as the chief guest. In his address, Member (Systems) emphasized the importance of ageing management for ensuring the availability of required safety functions throughout the

service life of nuclear power plants. He pointed out that ageing management requires proactively addressing physical ageing of structures, systems and components of NPPs during various stages like design, operation, maintenance and design modifications. He advised DOT to arrange more courses on such important topics.

Participants appreciated the interaction of resource persons and the coordinating team with participants. They said the arrangements and the contents of the course were very good. They also asked for more detailed and elaborative courses on these topics in future.

First Symposium on Earthquake Studies at CES, Islamabad

First Symposium on Earthquake Studies was held on 24th September 2018 at Centre for Earthquake Studies (CES), National Centre for Physics (NCP), Islamabad. This course was designed to introduce different themes of earthquake studies to the engineers and scientists working in concerned fields. Dr. Talat Iqbal, Director (CES), greeted and introduced the scientific work of CES to the audience. Dr. Hafeez R. Hoorani, DG (NCP), Patron of the symposium, welcomed the participants as well as guests and delivered his opening remarks. He lauded the improvements in CES, especially regarding publication of research papers and capacity building of research community.

Mr. Aslam Hayat, Member (Technical) and Mr. Zia Aftab, DG (RMC) also graced the occasion. Dr. Muhammad Asif Khan, Vice Chancellor, University of Peshawar, was the chief guest and Keynote Speaker of

the Symposium. Dr. Samia Faiz Gurmani (CES) hosted the symposium. Course participants emphasized that the symposium was very beneficial to them to understand the recent trends in earthquake studies and expressed their desire that such symposiums should be arranged in future. In the closing remarks, Dr. Talat Iqbal summarized the activity, its importance and the continuity of such an event in coming years.

A total of 65 participants affiliated with 13 national institutions from North to South of Pakistan participated in the symposium, he added. Moreover, he commended the endeavor of technical committee members: Mrs. Fehmeeda Khanam, Director (MSSP), Dr. Muhammad Ali Shah (MSSP) and Mr. Zahid Rafi (PMD), and organizing members: Mr. Nabeel Ahmed (CES), Mr. Mahmood Sultan (CES) and Khawaja M. Asim (CES) on successful organization of the symposium.



Group Photo of the participants with Mr. Aslam Hayat, Member Technical, PAEC

Training Course on Texture Analysis

A two-day training course on "Texture Analysis" was conducted at CPC by Dr. Javed Kamran, PE, CPC. The course consisted of lectures, technical discussions, practical sessions about XRD, data acquisition and its interpretation.

Some technical reasons for the development of undesired texture in various transition metals and alloys & AISI 321 steel were elaborated. Based on working experience, it was shared that texture alone can vary the properties of various materials up to 20-50% of their actual values.

Certain texture controlling strategies were

discussed to avoid failure of texture sensitive materials during their service. Various characterization techniques like EBSD & XRD were explained for determination of texture. Special emphasis was given to texture analysis by XRD machine due to its availability.

It was concluded that texture analysis along with the knowledge of micro-structure is essential for predicting the structural integrity and performance of precious materials for their critical applications. In the closing ceremony, the participants appreciated the quality & relevancy of the lectures.