



LABORATORY SAFETY & SECURITY

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THE VIRTUAL EDUCATION PROJECT PAKISTAN

The Higher Education Commission has initiated a National Video Conferencing Program in collaboration with the L.E.J. National Science Information Center (ICCBS), University of Karachi. The program focuses on lectures/courses being delivered by eminent scholars/researchers in the chosen disciplines, aimed at building concepts, enhancing critical thinking, and developing understanding of the subject at undergraduate, graduate, and doctoral levels. This program also includes skill development courses/modules, and research lectures in which cutting edge technologies/research results in various fields of higher education will be presented.

These lectures/courses are relayed nationwide in various Universities and other HEI through VEPP (Virtual Education Project Pakistan). Every one eligible is welcome to register, attend and benefit from this important and innovative program.

About online course

This course is of 1 credit hour. Students anticipating work in a chemistry laboratory should need to learn basic safety principles before working in lab. During laboratory work as students and as professional, They are expected to know:

- ◆ Behavior Based Safety
- ◆ General Safety Practices
- ◆ Hazard / Risk Identification and Mitigation.
- ◆ Specific laboratory policies and procedures for lab or area where you work.
- ◆ Protect yourself and your colleagues from any life/health threatening situation in lab

Introduction of the Speaker:

A dynamic executive with over 30 years of experience in multi-national companies. The companies he works for includes, Hoechst Pakistan Limited, AgrEvo Pakistan (Pvt.) Ltd., Aventis Crop Science (Pvt.) Ltd. Bayer Crop Science (Pvt.) Ltd. and Bayer Pakistan (Pvt.) Ltd.

He earned Master's Degree in Inorganic Chemistry from University of Karachi. He participated in various professional training courses and medium term assignments/ project from manufacturing facilities of parent companies in Europe and Asia Pacific countries.

Done professional courses and management trainings for various Institutions including Lahore University of Management Sciences (LUMS), Pakistan Institute of Management, American Management Institute, Institute of Business Management etc. During his professional career, he achieved success in lowering cost and improving delivery of products to the customer using modern supply chain concepts including JIT, QOTIF, Vendor development and evaluation on the basis of their cost and efficiency. Under University-Industry Interaction Seminar series, he delivered presentation / lectures on various technical subjects including Work Place Ergonomics / Safety and Professional Integrity at Centre of Excellence in Analytical Chemistry - University of Sind, Jamshoro, Department of Chemistry - University of Karachi and PAF-KIET Karachi.

Program:

Date: April 2 to April 30, 2019, **Days:** Every Tuesday & Thursday

Time: 11:15 AM - 1:15 PM

Venue: Video conferencing studios/rooms of participating Universities.

Schedule: Time: 11.15 AM to 1:15 PM (Tuesdays & Thursdays)

April 02, 2019 Tuesday	1-Behavior Based Safety 2-5S Housekeeping
April 04, 2019 Thursday	3-Good Lab. Practices (GLP) 4-Hazard Recognition / Risk Assessment (RAMP)
April 09, 2019 Tuesday	5-Understanding Safety Data Sheets 6-Understanding Hazard Warning Signs, GHS Labeling, Coding & Tagging system
April 11, 2019 Thursday	7-Selection and use of Personal Protective Equipment (PPE) 8-Chemical Safety / Compressed gas cylinder Safety
April 16, 2019 Tuesday	9-Hazardous material management 10-Fire Safety
April 18, 2019 Thursday	11-Electrical Safety 12-Fume hoods / Air Change & Ventilation Systems
April 23, 2019 Tuesday	13-Hazard Communication and use of Emergency Response Plan 14-Lab. Waste Management & Safe disposal
April 25, 2019 Thursday	15-Lab Security 16-Documentation, SOPs
April 30, 2019 Tuesday	Final Exam

How to Register?

For online courses registration and participation kindly register on events registration portal URL: <http://events.hec.gov.pk>, also contact focal person in your institute/University.

The L. E. J. Center will issue a certificate (1 credit hr) to successful participants.

Steps of Online Registration:

Open URL: <http://events.hec.gov.pk>

1. Click on Login/Register Link, 2. Create Your Account
3. Enter your Account details, Personal Details, Education Details
4. After account creation Login then click on Prescribed Event
5. Click on Register Event button, 6. Select joining Venue
7. Click on Register
8. After this confirmation mail is sent that you are successfully register against event.

Virtual Education Project Pakistan

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