



Partner  
Organization

# THE PAKISTAN ACADEMY OF ENGINEERING

*Free Training Workshop on*

## **“Conducting Technology Impact Assessment”**

*14<sup>th</sup> December 2019, DHA Suffa University Karachi.*

### **Introduction and Background**

Based on the feedback received on the workshop conducted last year, we have decided to conduct the workshop on Technology Impact Assessment this year as well. Technology is a clear distinction between developed and developing countries besides managerial skill. This course is focused towards understanding the importance of technology and adaptation of appropriate technology for efficiency in business operations.

It is unfortunate that as a nation, we are not developing technology, rather we are dependent upon west in this area. Acquiring technology from various countries create serious issues in implementation and operations. Technology if not acquired adequately becomes expensive due to which competitive advantage is lost globally as well as locally because of the presence of MNCs locally. We as a nation can develop our economy only through a right technology mix. For a country like Pakistan acquiring appropriate technology is not less than a challenging task as issues like business compatibility, financial, operational and organizational feasibility, technology integration, periodic upgradation and total life cycle cost are major areas to ponder upon before taking a decision. This has become further complicated because technologies are being developed and depleted at a faster rate and to keep pace with this business decisions need to be taken quickly and often frequently.

In this one-day workshop it is not possible to cover the multifaceted issues associated with impact of technology but major areas of decision making related to technology acquisition will be covered. Participants will, however, acquire enough knowledge to take quality decisions in the areas of technology selection, acquisition, implementation, integration and obsoleting.

## **About Training:**

### **Program Objectives**

To prepare participants to understand the importance of technology and its impact on national economy. After attending this workshop, they will be able to take quality decisions in the area of technology management for their organization.

### **Major Topics of the Workshop**

- Importance and impact of technology
- Innovation and technology-based innovation
- Soft skills required for technology acquisition
- Life cycle cost of technology
- 360-degree feasibility study for technology acquisition
- Issues and problems in management of technology

### **Who Should Attend**

- Engineers and executives willing to acquire optimal business technology
- Technology managers
- Family business owners
- Strategists

## **Panel of Trainers**

### **Dr-Ing. Syed Mushahid Hussain Hashmi**

earned a mechanical engineering degree and later MS in Energy Systems from NED University. He accumulated field exposure while working for Lakson Tobacco and then Trans Mobile Ltd. He went to Institute of Thermodynamics, Helmut Schmidt University, Hamburg, Germany for PhD in thermal modeling of fuel cell. Currently he is Chairman of Department of Automotive Engineering & Marine Engineering in NED University.

### **Dr. Irfan Ahmed**

received his PhD in the field of electronics engineering and is an expert in cutting edge communication technology. He possesses over 25 years of industrial, administrative and research experience. EPC contracting, project management, cold and hot commissioning, and academic research are the components of silhouette. He is teaching a wide variety of subjects in NED University.

### **Mr. Syed Iqbal Hashmi**

Mr. Syed Iqbal Hashmi is a seasoned professional possessing more than 30 years of industry experience mainly on top positions in local as well as multinational companies. He is also involved in teaching as visiting faculty in various universities. His first degree was in engineering and later he did MBA as well. He has done professional courses from abroad on retail management, industrial marketing, international management, business strategy and leadership.

### **Keynote Address:**

**President PAE**

**&**

**Chairman ITAT**

**Dr. – Ing. Jameel Ahmad Khan**

## Registration

For further information and registration, please contact:

## Key Takeaways

- World class knowledge on a topic of critical importance
- Summarized Training Slides
- Case Study
- Certificate from Pakistan Academy of Engineering

## Free Workshop

- This is a free workshop and only first 15 registrations will be accommodated.

## Program:

- 0900 – 0930: Attendance
- 0930 – 0940: Recitation from Holy Quran
- 0940 – 1000: Welcome Address and Keynote Speech by Dr. – Ing. Jameel Ahmad Khan, President Pakistan Academy of Engineering.
- 1000 – 1130: Training Session
- 1130 – 1200: Tea Break and Networking
- 1200 – 1300: Training Session
- 1300 – 1400: Prayer/Lunch Break
- 1400 – 1500: Training Session
- 1500 – 1530: tea Break and Networking
- 1530 – 1600: Case Study
- 1600 – 1630: Interactive Session
- 1630 – 1700: Feedback and Certificate Distribution

**Duration:** One day – 9:30 am to 5:00 pm

**Important Note:** The workshop is free for selected participants. It is requested that organization should nominate by first conducting appropriate training need assessment of the prospective candidate.

**Lunch:** Complementary

## THE PAKISTAN ACADEMY OF ENGINEERING

### Pakistan Academy of Engineering

The Pakistan Academy of Engineering – PAE was registered on December 20, 2013 at Karachi. PAE was established with the purpose to provide national forum for the discussion of engineering and technological issues currently being faced by the industries of Pakistan. PAE is endeavoring to promote the application of emerging technologies for the benefit of Pakistani nation. PAE provides independent advice on the issues of engineering and technology that addresses many questions of national and strategic importance. We are engaged more efficiently with the public and public policy process to promote strengthening and integration of academia, industry, government and society in the country. We firmly believe that creation of engineering culture in the country is the key source of developing sustainable competitive advantage. To pursue our strategy we regularly conduct studies, symposia and workshops in Pakistan and have got recognition from eminent professionals all over the world.

The Pakistan Academy of Engineering is a member The International Council of Academies of Engineering and Technological Sciences, Inc. – CAETS, USA.



This particular workshop is being conducted under PAE's constituent entity Institute for Technology Assessment and Transfer (ITAT). The Basic objective of the ITAT is to conduct independent and objective analysis, and make an assessment of the potential of future technologies. It will also assess the consequences of introduction of new technologies. Timely attention and relevance to the country will be the over-riding considerations for the conduct of its business.

### THE PAKISTAN ACADEMY OF ENGINEERING (PAE)

For Registration: Please contact Mr. Waqar Hassan  
Cell: 021-34831726, 0336-2521004, Email: [waqarhassan39@pacadengg.org](mailto:waqarhassan39@pacadengg.org)  
Address: E-16/2, Block-7, Gulshan-e-Iqbal, Karachi.  
[www.pacadengg.org](http://www.pacadengg.org)



# Pakistan Academy of Engineering

(Registered under the Societies Act 1860)

## REGISTRATION FORM/NOMINATION (PAID FORM)

TRAINING WORKSHOP ON “CONDUCTING TECHNOLOGY IMPACT ASSESSMENT”

ON SATURDAY, DECEMBER 14<sup>TH</sup>, 2019

BY PAKISTAN ACADEMY OF ENGINEERING’S CONSTITUENT INSTITUTE

ITAT (INSTITUTE FOR TECHNOLOGY ASSESSMENT AND TRANSFER)

Note: The filled form be emailed to ‘waqarhassan39@pacadengg.org’  
And couriered to E-16/2, Block-7, Gulshan-e-Iqbal, Karachi  
Last date to submit the form is December 07<sup>th</sup>, 2019.

### NOMINEE

FULL NAME: \_\_\_\_\_

CNIC NUMBER: \_\_\_\_\_

GENDER: \_\_\_\_\_

AGE: \_\_\_\_\_

CELL PHONE NUMBER: \_\_\_\_\_

ORGANIZATION: \_\_\_\_\_

OFFICE ADDRESS: \_\_\_\_\_

OFFICE EMAIL: \_\_\_\_\_

OFFICE PHONE NUMBER: \_\_\_\_\_

OFFICE FAX: \_\_\_\_\_

DESIGNATION: \_\_\_\_\_

QUALIFICATION: \_\_\_\_\_

CURRENT ORGANIZATION: \_\_\_\_\_

YEARS IN: \_\_\_\_\_

HOME ADDRESS: \_\_\_\_\_

PERSONAL EMAIL: \_\_\_\_\_

\_\_\_\_\_  
SIGNATURE

### NOMINATED BY

I hereby nominate \_\_\_\_\_ for the Training Workshop on behalf of \_\_\_\_\_.  
(NOMINEE)

The nomination is as per the training requirement of the \_\_\_\_\_.  
(ORGANIZATION)

I have thoroughly read the flyer of the Training and agree with the details.

NAME: \_\_\_\_\_

FAX: \_\_\_\_\_

DESIGNATION: \_\_\_\_\_

EMAIL: \_\_\_\_\_

OFFICIAL ADDRESS: \_\_\_\_\_

CELL# \_\_\_\_\_

LAND LINE# \_\_\_\_\_

\_\_\_\_\_  
DATE

\_\_\_\_\_  
SIGNATURE



**Pakistan Academy of Engineering**

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Office Copy		Applicant Copy	
Date:		Date:	
Applicant Name:		Applicant Name:	
CNIC :		CNIC :	
Cell No:		Cell No:	
Total Fees: -800/-		Total Fees: -800/-	
Deposit:		Deposit:	
Applicant Signature	Receiver Signature	Applicant Signature	Receiver Signature