

THE PAKISTAN ACADEMY OF ENGINEERING

Free Training Workshop on

“ Block Chain”

30th June 2020, PAE Head Office, Karachi.

Introduction and Background

Block chain is an emerging technology which provides distributed ledger for storing immutable records. Records are stored in a series of blocks, where each block is linked with its previous record. The P2P paradigm of block chain eliminates the central point of failure. Block chain technology is being incorporated in several applications including cryptocurrencies, electronic voting, medical records, and anti-money laundering. The purpose of this talk is to elucidate beginner-level concepts about block chain technology and application development. The talk is focused on theoretical concepts of block chain. These include various topics such as design of block chain systems, cryptography, hashing layout, strengths and weaknesses, consensus algorithms, and an overview of different applications which can benefit from block chain. In order to maintain interest of the participants, the talk will be of interactive nature

About Training:

Program Objectives

To prepare participants to understand the importance of Block chain 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

- Introductory Concepts
- Block chain Organization
- Consensus
- Block chain Applications

Who Should Attend

- IT Professionals
- Students willing to learn Block chain
- Block Chain Enthusiasts

Duration: One day – 10:00 am to 12:00 pm

Important Note:

The workshop is free for all. Workshop Link also available on our website.

ZOOM link:

<https://zoom.us/j/98167865673?pwd=cHB3eTFZWVREU1hsRDduYUkyemwudz09>

Meeting ID: 981 6786 5673

Password: abc123

About The Trainer

Dr. Jawad Shamsi

Dr. Jawwad A Shamsi is a Professor of Computer Science and Director of FAST National University of Computer and Emerging Sciences, Karachi. He did his PhD. from Wayne State University, MI USA in 2009. His research interest lies in Parallel and Distributed Systems, Big Data, Network Security, and Cloud Computing.

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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.