

# THE PAKISTAN ACADEMY OF ENGINEERING

Free Training Workshop on

## “BIG DATA ANALYTICS”

10<sup>th</sup> April 2021, DHA Suffa University, Karachi.

### Introduction and Background

Big Data is a very important concept in today's digital world. It's all about volume, velocity and variety of an estimated 2.5 quintillion bytes of data that is generated every day. Analyzing this data, also called as "Big Data Analytics" can play a major role in understanding the patterns and inferences that lie within the data, which can be used to make better decisions.

### About Training:

### Program Objectives

This workshop aims to help the students and learners acquire essential skills and knowledge about big data analytics, machine learning and recommendation systems. It will include coverage of theoretical concepts around big data analytics, machine learning and the hands-on implementation on usage of those concepts on benchmark datasets.

### Major Topics of the Workshop

- Introduction to Big Data and Big Data Analytics
- Techniques for Big Data Analytics
- Big Data Analytics using Machine Learning and Deep Learning
- Recommendation Systems
- Hands-on using Google Co-Lab and Tensor flow. (Participants should have a working Gmail Account)

### Who Should Attend

- Undergraduate and graduate students of Computer Science
- Faculty Members
- Learners with desire to acquire skills related to big data systems

### Duration:

- Theory : 60 Minutes
- Hands -on training: 60 minutes
- Total Duration: 2 hours

### Important Note:

The workshop is free for all.

## About The Trainers

### Dr. Jawwad Shamsi

Dr. Jawwad A. Shamsi is a Professor of Computer Science and Director of Karachi campus at FAST- National University of Computer and Emerging Sciences, Karachi. He has several research papers related to big data and machine learning. He has also authored a book titled Big Data Systems- A 360 degree approach, CRC Publishers.

### Dr. Fahad Sherwani

Dr. Fahad Sherwani is an Assistant Professor of Computer Science at Karachi campus at FAST National University of Computer and Emerging Sciences, Karachi. He is a member of IEEE. He has published several research articles in various peer reviewed International Journals and Conferences.

### Dr. Rizwan Qureshi

Dr. Rizwan Qureshi is a Lecturer at School of Computing, National University of Computer and Emerging Sciences, Karachi. His research interests include Computer Vision, Deep Learning, Signal and Image Processing and Bioinformatics. He has published several Journal and Conference papers in these areas.

## 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.



### Institute of Cybersecurity Management

ICSM (Institute of Cybersecurity Management) is a constituent institute of Pakistan Academy of Engineering – a growing fellowship society of doctorate level Engineers. The PAE believes in anticipating the change. The PAE has been transformed to focus on its main portfolio "Cybersecurity". ICSM is well positioned to face the challenges in promoting its outreach.



# Pakistan Academy of Engineering

(Registered under the Societies Act 1860)

## REGISTRATION FORM/NOMINATION

### TRAINING WORKSHOP ON "BIG DATA ANALYTICS"

ON SATURDAY, APRIL 10<sup>TH</sup>, 2021

BY PAKISTAN ACADEMY OF ENGINEERING'S CONSTITUENT INSTITUTE

### INSTITUTE OF CYBERSECURITY MANAGEMENT (ICSM)

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 April 08<sup>th</sup>, 2021.

#### 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