



E-LEARNING

100% online. May include pre-recorded session, live streaming/webinar and discussion forum, where applicable.

ONLINE LEARNING:

DATE: To be advised

TIME: 9.00am to 5.30pm

DELIVERY MODE: e-learning via webinar and/or BCAA Learning Management System (LMS)

FEE (incl of GST): S\$610.00

AWARD

Upon attaining 75% attendance, participants will be issued a E-Certificate of Attendance.

CPD POINTS

PEB - Pending

WSH-CPD (WSH Officers) - Pending

2-Day Course on

Applying Data Analytics Approach to Workplace Safety & Health

INTRODUCTION

Data Analytics is one of the emerging frontier technologies that our workforce needs training in to acquire skills to analyse available data. Workplace Safety and Health (WSH) works involve enormous data in the form of inspection reports, incident reports, safety behaviours indicators, procurement data, etc., that can be analysed with suitable data analytics tools to arrive at outcomes that can be used to improve work productivity and WSH performance at workplaces. Safety analytics can predict and prevent workplace safety incidents, thus saving lives, money and organisation's reputation which goes beyond the conventional dashboards and safety reports of past incidents or accidents.

OBJECTIVES

This course aims to provide participants a good appreciation of basics of data analytics and its approach, and how WSH data can be analysed in order to improve safety and health performance and productivity in workplaces.

CONTENTS

1. Impact of safety violation to organisation
2. Perceptions on safety data analytics
3. Challenges in safety data analytics
4. Use of safety data analytics in organisation
5. Safety data analytics approaches
6. Selection of safety data analytics system
7. Key requirements of a safety data analytics system
8. Approach to predict the likelihood of future incidents/ accidents from happening
9. Implementing safety data analytics system
10. Benefits of implementing safety data analytics system

LECTURER

MR HENRY CHANG has more than 30 years of combined experience in M&E works, safety engineering and management, procurement management, data analytics, and IT infrastructure consultancy. He was the first mover in the development of the first Procurement Data Analytics System in the Whole of Government that analyses procurement transactions to surface procurement anomalies and identify procurement trends for productivity improvement. For his dedicated services, he was awarded the Singapore Excellent Service Award. He is a registered Professional Engineer and a registered WSH Officer. His qualifications include Degree in Mechanical Engineering, MBA, MSc (Computer Integrated Manufacturing) and Certificate in Advanced Business Analytics.

TARGET AUDIENCE

- Project Managers
- Construction Managers
- WSH Officers
- WSH Supervisory Personnel
- Project Engineers
- Supervisors
- Other personnel who wish to acquire knowledge on Data Analytics



REGISTRATION

To register, please log into our Online StoreFront (OSF) at <https://eservices.bcaa.edu.sg/registration/#/> Login or scan QRcode and search for course code **44100**