



The Institute of  
**Internal Auditors**  
Malaysia

# ADVANCED DATA ANALYTICS IN RISK, CONTROL AND AUDIT



## OVERVIEW

This program is part of the Applied Data Analytics in Risk, Control and Audit™ series created and delivered by MBS Academy. The program covers advanced concepts of Data Analytics, such as databases, SQL queries and advanced use cases, that Audit and Risk professionals and teams can apply in their everyday work. During the program participants will learn about databases and their applications in audit; review real-life case studies of advanced Data Analytics; learn how to plan advanced Data Analytics engagements and perform a number of practical exercises using cloud-based databases.

The program contains a significant element of gamification and practical work. Every 15-20 mins there is a gamified activity, designed to reinforce the concepts that have been covered and improve retention after completion. The last part of the program includes exercises on how to analyse Payroll and Purchasing anomalies and identify money laundering activities. All datasets and step-by-step instructions will be provided at the beginning of the program. Participants will be allowed to keep these and use them as a blueprint for real-life reviews they may be performing.

## WEBINAR SERIES

### LEARNING OUTCOMES

After the completion of this program participants will be able to:

- Understand fundamentals of databases and how they can be applied to Data Analytics in Risk, Control and Audit™
- Appreciate how advanced Data Analytics can be applied, based on real-life case studies
- Design and plan advanced Data Analytics engagements
- Apply and modify, if necessary, a set of analytics routines provided in the course to achieve specific objectives
- Perform analytics on Payroll and Procurement datasets in the cloud and run Anti- Money Laundering and General Ledger analyses



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## PROGRAM OUTLINE

### Introduction

#### Benefits and Limitations and Limitations of Advanced Data Analytics in Risk, Control and Audit

- Gamified Exercise

### Introduction to Databases

- Gamified Activity

### Planning Advanced Data Analytics Engagements

- Gamified Exercise

### Case Studies of Advanced Data Analytics in Risk, Control and Audit

- Gamified Activity

### Examples of Advanced Data Analytics in Risk, Control and Audit

- Gamified Exercise

## WEBINAR SERIES

### Practical Work:

- Investigating Payroll using a cloud database
- Investigating Purchasing using a cloud database
- Performing General Ledger analysis in the cloud
- Performing Anti-Money Laundering analysis

### Program Review, Q&A, Comments



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## ABOUT THE TRAINER

### MARIO BOJILOV

MEngSc (Research), Certified Information Systems Auditor (CISA),  
Graduate Diploma Applied Finance and Investment, PhD Candidate

Mario has worked in the area of Data Analytics and Business Improvement since 1994. He is also a Certified Information Systems Auditor (CISA) and a Lecturer in Accounting Information Systems; IS Control and Governance; Enterprise Resource Planning; Systems Analysis and Design. Over the last 12 years, Mario Bojilov has taught 1,500+ university students and 350+ professionals in the areas of Finance, Digital Technologies, Risk and Audit. He has delivered industry training courses and presentations in Australia, Dubai, Abu Dhabi, Singapore, Malaysia, Brunei, Thailand and the Philippines.

Mario founded Meta Business Systems in 2004 of which he is the current Chief Executive Officer. The company is focused on business improvement, performance monitoring and data governance. A number of Government and Higher Education organisations have used solutions designed and implemented by Meta Business Systems. Projects managed and delivered by Mario Bojilov and his team covered a variety of key business processes, such as Payroll, Finance, Procurement, Revenue Management, Treasury, HR and others. Examples of projects include, Data Warehouse/Business Intelligence (12 processes/95 reports), Financial Statements production (\$800+ revenue), Payroll monitoring (12,000 employees), Revenue verification, Fraud Detection, etc.

Mario Bojilov holds a Master of Engineering Science Degree from the University of Queensland, a Graduate Diploma of Applied Finance and Investment from the Financial Services Institute of Australasia (FINSIA) and is currently a PhD Candidate with research topic in the area of Using Artificial Intelligence for Cybercrime Detection.

Mario Bojilov has co-authored the following academic articles: Privacy and Big Data and Continuous Auditing and Continuous Monitoring in ERP Environments: Case Studies of Application Implementations. He is also a contributor to Medium - <https://medium.com/@Mario.Bojilov> and hosts a channel - <https://goo.gl/ujS8ky> on YouTube.

## WEBINAR SERIES

### ADMINISTRATIVE DETAILS

<b>TARGET AUDIENCE</b>	LEVEL I-III
<b>MEMBER'S FEE</b>	RM600.00
<b>NON-MEMBER'S FEE</b>	RM800.00
	<i>All Fees will be subject to 6% SST</i>
<b>DATE</b>	14 July 2022
<b>TIME</b>	8:30 am – 1:00 pm
<b>DELIVERY MODE</b>	Virtual Platform
<b>PROGRAMME CODE</b>	WEB21
<b>TRAINER</b>	<b>Mario Bojilov</b> MEngSc (Research), Certified Information Systems Auditor (CISA), Graduate Diploma Applied Finance and Investment, PhD Candidate
<b>CPD POINTS</b>	5

## ENQUIRY & REGISTRATION

1-17-07, Menara Bangkok Bank, Berjaya Central Park, 105 Jalan Ampang, 50450, Kuala Lumpur, Malaysia  
Tel: +603 2181 8008 ext 210/213/212 Fax: +603 2181 1717 Email: [training@iiam.com.my](mailto:training@iiam.com.my) Website: [www.iiam.com.my](http://www.iiam.com.my)

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## COURSE DETAIL

Course Title

Course Code

Course Date(s)

## DELEGATE 1

\*Full Name (as per IC)

\*Designation

\*Mobile No.

\*Email Address

☐ Member

☐ Non-Member

\*Membership No. (only applicable for members)"

## DELEGATE 2

\*Full Name (as per IC)

\*Designation

\*Mobile No.

\*Email Address

☐ Member

☐ Non-Member

\*Membership No. (only applicable for members)"

## DELEGATE 3

\*Full Name (as per IC)

\*Designation

\*Mobile No.

\*Email Address

☐ Member

☐ Non-Member

\*Membership No. (only applicable for members)"

## CORPORATE DETAILS (only applicable for corporations)

☐ Corporate Member

Corporate Membership No: \_\_\_\_\_

☐ Corporate Non-Member

## CONTACT DETAILS

Organisation Name

Mailing Address

Contact Person

Designation

Telephone

Fax

Email Address

## BILLING DETAILS

☐ please tick if billing details are the same as contact details.

Contact Person

Designation

Billing Address

Telephone

Fax

Email Address

## ENQUIRY & REGISTRATION

1-17-07, Menara Bangkok Bank, Berjaya Central Park, 105 Jalan Ampang, 50450, Kuala Lumpur, Malaysia  
Tel: +603 2181 8008 ext 210/213/212 Fax: +603 2181 1717 Email: training@iiam.com.my Website: www.iiam.com.my

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## PAYMENT DETAILS

Payment Details	Member Rate (per person) for KL-code related courses	Non-Member (per person)	6% SST	Total with SST
Fee (per pax) RM				
No. of pax				
Subtotal				

All registrations **MUST** be accompanied with full payment. Upon receipt of your registration, you are deemed to have read and understood the registration procedures and accepted the terms and conditions contained therein. (Please tick (✓) the chosen method)

☐ Enclosed is a cheque/bank draft no. \_\_\_\_\_ for the sum of RM \_\_\_\_\_ payable to  
**THE INSTITUTE OF INTERNAL AUDITORS MALAYSIA**

### ☐ LOCAL PAYMENTS BY CHEQUE / INTERBANK GIRO

All payments should be crossed and made payable to **THE INSTITUTE OF INTERNAL AUDITORS MALAYSIA**

Bank Details: United Overseas Bank (M) Bhd. USJ Taipan Branch, No.7, Jalan USJ 10-1, USJ Taipan Triangle, 47620 UEP Subang Jaya, Selangor

Account No.: 165-301-514-9 Bank Swift Code: UOVBMKYL

### ☐ OVERSEAS PAYMENTS BY WIRE TRANSFER (USD only)

Beneficiary: **THE INSTITUTE OF INTERNAL AUDITORS MALAYSIA**

Address: 1-17-07, Menara Bangkok Bank, Berjaya Central Park, 105 Jalan Ampang, 50450 Kuala Lumpur, Malaysia

Beneficiary's Bank: STANDARD CHARTERED BANK MALAYSIA BERHAD

Beneficiary's Bank Address: Level 18, Menara Standard Chartered, No.30 Jalan Sultan Ismail, 50250 Kuala Lumpur

Account No.: 312-170-024-235 Bank Swift Code: SCBLM-YK-XXXX

All wire transfer payments should include USD\$30.00 (overseas) and RM25.00 (local) for wire transfer processing fee. For GIRO, please include RM1.00 as bank charges. (Please fax the bank-in slip to +603 2181 1717 or email to training@iiam.com.my)

### ☐ CREDIT CARD

I hereby authorise **THE INSTITUTE OF INTERNAL AUDITORS MALAYSIA** to charge to my credit card. to the value of

RM \_\_\_\_\_ Card Type: ☐ VISA ☐ MASTER

Card Number:

Expiry Date: \_\_\_\_\_ Cardholder's Name \_\_\_\_\_

I understand that any amount drawn from my credit card will first be cleared with the credit card authorisation facility.

Signature (As per credit card) \_\_\_\_\_ Date \_\_\_\_\_

## TERMS & CONDITIONS

### FEE

- Fee is payable to "THE INSTITUTE OF INTERNAL AUDITORS MALAYSIA". Please state your name, payment advice number, phone number and Workshop Code number at the back of the cheque/bank-in slip. Admittance will only be permitted upon receipt of full payment
- The fee covers the soft copy course material\* and Certificate of Attendance.
- Full payment is to be made before the date of the course. Fee is subject to 6% SST.
- Walk-in delegates will only be allowed if full payment is made, subject to the availability of the seat.

### CANCELLATION

- Upon registering, participant(s) are considered successfully enrolled in the course. Should participant(s) decide to cancel/transfer their registration, a cancellation/transfer policy shall be applied as follows.
  - a) Written cancellations should be received by 14 working days before the workshop date to get the refund.
  - b) Written cancellations should be received by 7 working days before the workshop date to get a partial refund after deduction of 50% administrative charge. Unpaid registrations will also be liable for 50% administrative charge.
  - c) Written cancellations/no-show on the day of the workshop.
    - No refund will be entertained.
    - Unpaid registrations will also be liable to full payment of the registrations fee.
    - Partial cancellation is not allowed.
  - d) You can substitute an alternate delegate(s) if you wish to avoid cancellation charges. Any differences in fees will be charged accordingly.

### RESERVATION

- The Institute reserves the right to make changes to the venue, date, topic, speaker including cancellation if warranted by circumstances beyond its control.
- The Institute is not responsible for the action, advice or representations of the trainer / speaker.
- Registration will be on first-come, first-serve basis.
- Upon signing this form, you have deemed to have read and understand the registration term and condition and therefore have accepted the terms contained herein.
- Certificates of Attendance will be issued an "E-certificate" via email. For this purpose, it is COMPULSORY to fill in the email address clearly. Certificate will only be given to participant who attended the session in full.

### DATA PROTECTION

Personal Data is gathered in accordance with the Personal Data Protection Act 2010 (Act 709). The Institute of Internal Auditors Malaysia (IIA Malaysia) hereby inform you that your personal data will be processed, retained and used by IIA Malaysia in relation to this Workshop. Your personal data may also be retained and used by IIA Malaysia to market and promote other training programmes conducted by IIA Malaysia.

### DISCLAIMER

The Institute of Internal Auditors Malaysia (IIA Malaysia) reserves the right to change the speaker(s), date(s) or to cancel the Workshop should circumstances beyond its control arise. IIA Malaysia also reserves the right to make alternative arrangements without prior notice should it be necessary to do so. Upon signing the registration form, you are deemed to have read and accepted the terms and conditions.

\* Subject to approval of the proprietor.