

PUBLIC WORKSHOP

POWER BI DESKTOP ESSENTIALS

Duration : 2 Days

Start a conversation
with our AI Assistant 🤖



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Workshop Description

Step into the future of data! Discover Power BI, connect diverse data sources, and build stunning, interactive dashboards. Learn to visualize information clearly and make your data tell a compelling story



Workshop Learning Objectives

Upon completion of the training, participants will be able to:

- Understand the fundamentals of Power BI
- Perform basic data modeling to structured data for effective analysis
- Create basic visualizations to represent data insights
- Design and build reports for effective communication of data-driven insights

Who Should Attend

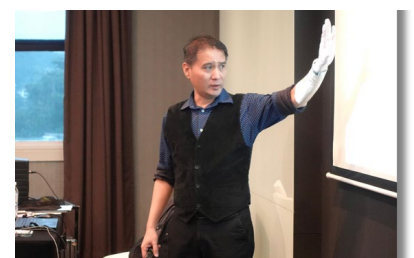
- Managers
- Executives
- Anyone who wants to learn about POWER BI

TRAINING METHODOLOGY

The training methodology will be based on the **ATCEN PEAK** methodology.

This includes:

- Group activities
- Exercises
- Discussions
- Presentations
- Lots of reflection and sharing



Workshop Outline / Agenda

Day 1

9am - 10:30am

Introduction to important concepts

What is Power BI?

- 3 types of Power BI users
- 3 types of data analytics
- Basic building blocks of a Power BI report
- Common Power BI analysis workflow

10:45am - 1pm

Skill 1: Introduction to Data ETL

3 important keywords every Power BI users should know of: Data Extraction, Data Transformation, and Data Loading. In this module, participants will learn the commonly used ETL processes available in Power BI Desktop.

- Data extraction from CSV and Web
- Basic data shaping operations
- Basic Text and Numerical data transformations

2pm - 3:30pm

Skill 2: Basic Data Modelling

The heart of any data analysis in Power BI Desktop is the Model View which will hold the semantic model. Participants will learn how to navigate in Power BI

Desktop Model View before starting their journey in the actual data visualizations.

- Introduction to table explorer
- How to identify data types from your data model
- Creating basic table relationships

3:45pm - 5pm

Skill 3 : Basic Data Visualizations

Learn to create the most commonly used charts in any organization; Column/Bar charts, Pie/Donut charts, Line chart, and single-value visual. Participants will also be introduced to basic report controls.

- Customize your canvas background
- Types of visualizations and their suggested usage(s) Create/Modify Bar charts
- Create/Modify Column charts
- Create/Modify Pie charts
- Create/Modify Donut charts
- Create/Modify Line charts
- Create/Modify Cards
- Create/Modify Tables
- Create/Modify Matrix
- Create/Modify Slicer

Day 2

9am - 10:30am

Continuation of Skill 3 : Basic Data Visualizations

10:45am - 1pm

Skill 4: Basic DAX

- Power BI is a robust reporting tool in which you can customize your calculations using Data Analysis eXpressions. DAX has a lot of functions that are not only limited to your usual Excel functions but also many advance analytical functions.
- Basic aggregation functions such as SUM, AVERAGE, MAX, MIN
- Basic filtering function such CALCULATE

2pm - 3:30pm

Skill 5: Power BI Service

One of the main purpose of using Power BI is to leverage its sharing and collaboration features. Once you have completed your report in Power BI Desktop, you can share the report to Power BI Service, a web-based Power BI solution.

- Introduction to Power BI Service
- Basic of report sharing controls

3:45pm - 5pm

Skill 8: Power BI Mobile

Learn how to use Power BI Mobile so that you will be able to view and collaborate Power BI reports directly from your mobile phone.

- Introduction to Power BI Mobile
- Basic of mobile operations

Shahadatulkandar Bin Rosli is one of a few people holding both HRDF ACCREDITED TRAINER & DASSAULT SYSTEMES CERTIFIED INSTRUCTOR for multiple fields in Malaysia. Mr. Shahadatulkandar is known for his knowledge and skill of automation design via scripting. Most recently, Mr. Shahadatulkandar has been awarded **MICROSOFT EXCEL CERTIFIED SPECIALIST EXPERT**. Mr. Shahadatulkandar has been in various industries providing his professional services in all levels of the organization for more than 15 years focusing his time and effort in improving organizational management system.



One of his passions and objectives is to lead and be a member of a creative and innovative team to share ideas that will produce outstanding, creative solutions and other developments.

Mr. Shahadatulkandar is recognized as an accomplished engineering design application, office automation and technical, system, programming, trainer; a very dynamic, creative, versatile, innovative, and skillful in providing effective engineering design workshop and technical instruction training, coordinating effective training programs and various courses and other applications training programs. Mr. Shahadatulkandar Rosli, has always been keeping himself relevant with the changes in apps development, information technology, applications, multimedia, creative design industry, and many others.

Well experienced in mainstream 3D design software such as CATIA, SolidWorks, Inventor, Sketchup, Blender, and programming languages such as VB, C, Python, not forgetting fundamentals such as Microsoft Office Applications as well as consulting and customer service relationship.

His key competencies include setup and delivery of client courses, especially tailor-made, customize training, consultation, development of course material for customized courses, programming, project planning, conducting in-house training and designing projects.

Educations & Certifications:

- Bachelor's Degree of AEROSPACE ENGINEERING, from Universiti Putra Malaysia, 2008
- HRDCorp ACCREDITED & Certified TRAINER
- MICROSOFT EXCEL, EXCEL 365 SPECIALIST EXPERT
- DASSAULT SYSTEMES Certified Instructor in various fields: -
 - ENOVIA V5 Digital Mock-Up
 - DELMIA V5
 - Shape Design & Styling
 - Product Synthesis
 - Mechanical Design
 - Machining
 - Equipment & System Engineering
 - Analysis
- Registered Member of MAJLIS REKABENTUK MALAYSIA

Summary Of Experiences And Qualifications:

- Oracle Database Universe Designer
- Teradata Database Administrator
- Panel of editors for 8th International Conference on Composite Science and Technology (ICCTS8)
- International research collaboration with student from Aeronautical Engineering department of Tagore Engineering College, India
- Structural analysis using PATRAN/NASTRAN & FEMAP for mechanical and aerospace applications
- Well-versed with ASME Y14.5 2009
- Scripting and programming to develop in-house design automation system, design optimization processes and design templates
- Registered under CIDB with Engineer trade
- Innovate internal ventilation design of audiometric booth
- Established 3D Design & Drawing Management system in compliance with ISO 2015, highly commended by SIRIM auditors



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Amcorp	Gamuda	MCIS	Silverlake
AmGeneral Insurance	GCH Retail	MCMC	Sime Darby
Amway	General Electric	Measat Broadcast Network Systems	SME Bank
Apex Dental	Generali Insurance Malaysia	Media Prima	SME Corp
ASTRO	Gene Martino	MercedesBenz Malaysia	Sony EMCS
Atomy	Genting Malaysia	MerchantradeAsia	Sonoco Products
Auto Bavaria	Gleneagles Kuala Lumpur	Mesiniaga	SP Setia
Averis	Golden Screen Cinema	MIDA	SRG Asia Pacific
AXA Group	GRAB Malaysia	Microsoft	Standard Chartered Bank
B Braun Medical Industries	GrandFlo	MIDF Property	Star Publication
Bacteria Free Water Filter	Grand Millennium Hotel	MIMOS	StemLife
Baker Hughes Malaysia	Great Eastern	MISC	Success Electronics
Bangkok Bank	Gucci (Malaysia)	MIT Insurance Brokers	Sudong (Singtel)
Bank Islam	GuocoLand	Mitsubishi Motors	Sumitomo Mitsui Banking Corporation
Bank Rakyat	Habib Jewels	MMC Corporation	Sunpower Malaysia Manufacturing
Bank Muamalat	HaiO Enterprise	MNRB Holdings	Sunway Group
Bank Negara Malaysia	Halal Industry Development Corporation	Monash University	Suruhanjaya Syarikat Malaysia (SSM)
Bank of China	HAVI Logistics	Mr. D.I.Y	SWIFT Support Services Malaysia
Bank of Maldives	HealthMetrics	MSIG Insurance	Symphony BPO
Bank Simpanan Nasional	Heineken Malaysia	Mydin Mohamed Holdings	Takaful Ikhlas
BASF Petronas Chemicals	HeiTechPadu	MYOB Asia	Taylor's University
Bausch & Lomb	HELP University College	NAIM	Telecontinent
BBDO Asia	Hilti Asia IT Services	Nanyang Press	TeleFlow
BD Agriculture	Hitachi eBworx	Naza TTDI	Telekom Malaysia
Berjaya Sampo Insurance	Honda Malaysia	NEC Corporations of Malaysia	TGV Cinemas
Bermaz Motor Trading	Honeywell	Nestle Products	The Food Purveyor
BigPay	Hong Leong Group	Nike Sales Malaysia	The Hilton Group
Blackhem	Hospital Pusrawi	Nirvana	The New Straits Times Press
BMW Group	HSBC Bank	Nistrans	TIME dotcom
Bonuslink	Hua Yang	Nokia	TMC Care
Boustead	Huawei Technologies	Northport	TNB
Bridgestone	IBM Malaysia	NS BlueScope	TNT Worldwide Express
British Council	IBPO Group	OCBC Bank	Tokio Marine Insurances
Brother International	iFast Service Centre	OMRON Malaysia	Top Glove
Bursa Malaysia	IJM Corporation	Pacific Mutual Fund	Toshiba
ByteDance (TikTok)	IKEA Malaysia	Panasonic	Touch 'n Go
Canon Marketing	Infineon Technologies	PayNet	Tourism Malaysia
Carlsberg	Inokom Corporation	PayPal	Toyota
CCM Pharmaceuticals	Institut Jantung Negara	Pembangunan Sumber Manusia (PSMB)	Toyota Capital
Celcom	Intel Malaysia	Penang Port	Toyota Tsusho
Cement Industries of Malaysia (CIMA)	International Medical University	Penang Skills Development Center (PSDC)	ToyoTyre
Cerebos	International School of Kuala Lumpur (ISKL)	Perkeso	U Mobile
Chin Hin Group	INTI College	Pernec	UEM Group
Chuan Huat Resources	IOI Group Corporation	Perodua	UITM
Chubb Insurance	IPG Mediabrands	Petronas	UKM Group
CIDB	Iskandar Investment	Pfizer	UMW Group
Cigna International Health Services	Jobstreet Malaysia	Pharmaniaga	United Overseas Bank (UOB)
CIMB Bank	Johnson Controls	PHHP Marketing	UOA Group
Cisco Systems Malaysia	Johor Corporation	PLUS	VADS
Citibank Malaysia	Johor Port	Pokka Ace	Vale Malaysia
ClubMed	Jotun Paints	Polyplastic	ViewPoint Research Corporation
Columbia Asia	Juristech	Pos Malaysia	Volvo Malaysia
Continental Tyre PJ Malaysia	KDU College	PPG Coatings	Wasco Berhad
Credit Guarantee Corporation	Kementerian Kesihatan Malaysia	Prasarana	Waterco
CTOS Data System	Kementerian Pelajaran Malaysia	Primer Kenrich	Watsons Personal Care Store
Cuckoo	Kenangan Investment Bank	Prince Court Medical Centre	Weir Minerals
Cycle & Carriage	Kerry Ingredients	Prokhas	Western Digital
Daikin Refrigeration Malaysia	Khazanah Nasional	Prometric Technology	Wilmar
DanoneDumex	KLK Oleo Group	ProMinent Fluid Controls	WISE Payments
DayThree	KPJ Healthcare	Protect Health Corporation	Worldline
DagangNet Technologies	KPMG Malaysia	Proton Holdings	X-FAB Sarawak
Decathlon Malaysia	Kumpulan Wang Persaraan (KWP)	Prudential	YeoHiap Seng (Yeo's)
Dell Asia Pacific	Kumpulan Wang Simpanan Pekerja (KWSP)	PTPTN	YTL Corporation
DhiraaghiMaldives	Kuwait Finance House	Public Bank	Zakat Selangor
DHL Group	Lee Kum Kee	QES Group	Zenith Media
Digi	Lembaga Hasil Dalam Negeri (LHDN)	QSR Brands	Zuellig Pharma
DRBHicom	Lembaga Tabung Angkatan Kentera (LTAT)	Reckitt Benckiser	Zurich Insurance



For more info and
Registration Form,
please contact:

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or

e-mail to:

info@atcen.com

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Corporate Sales Consultant:

Invoice Number:

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