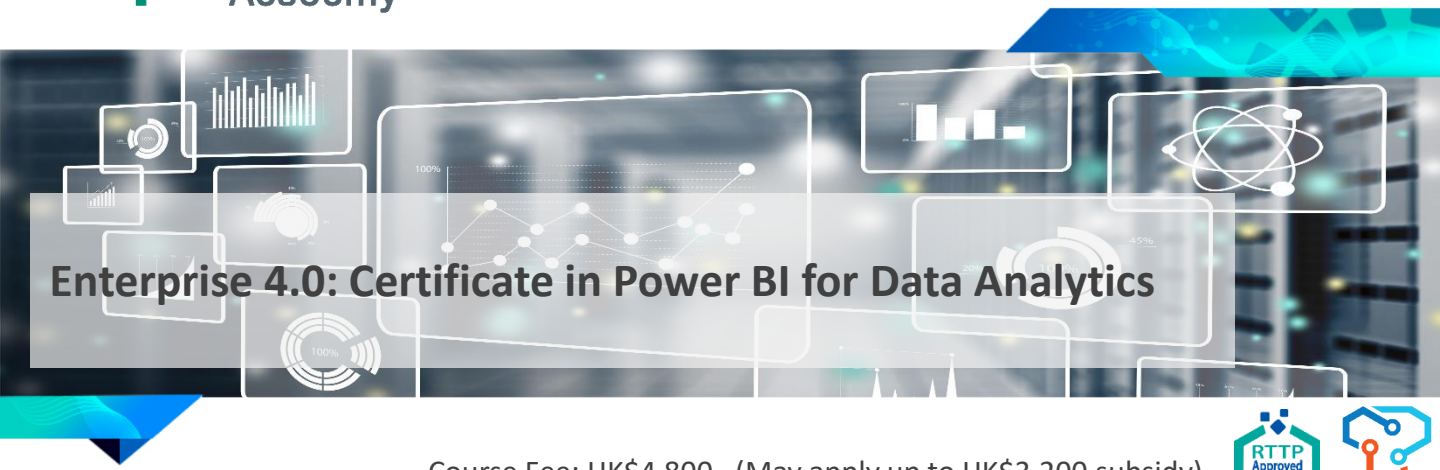
hkpc Academy 生產力學院



Enterprise 4.0: Certificate in Power BI for Data Analytics

Course Fee: HK$4,800 (May apply up to HK$3,200 subsidy)
*Maximum saving, with the final grant subjects to approval.

RTTP Approved

TechEd

This course is designed to arm participants with knowledge on using the most highly rated Data Analytics and Business Intelligence Tool, Power BI to go from data to insights! We will cover:

- Discover data analysis
- Advance features of Power BI
- Data Modelling
- Visualization and Dashboards
- Datasets management

Empowered by Microsoft

Programme code	10011607-16
Date and time	28-29 Dec 2021 (9:30am-5:00pm) (Total: 14 training hours)
Venue	Computer room 125, 1/F HKPC Building, 78 Tat Chee Avenue, Kowloon Tong
Language	Cantonese, supplemented with English terminology
Course fee	HK$4,800* (May apply up to HK$3,200* subsidy)
Prerequisite	Complete Power BI for Business Users or experiences with Power BI Desktop

Course Objectives

- ✓ Participants will be able to analyse data from different data sources and create their own datasets
- ✓ Participants will be able to comfortably work with the different tools of the Power BI universe and know how the different tools work together
- ✓ Participants will have the required knowledge to dive deeper into Power BI and find out more about its advanced features

This course is an approved Reindustrialisation and Technology Training Programme (RTTP), which offers up to 2/3 course fee reimbursement upon successful applications. For details: https://rttp.vtc.edu.hk.

Course Outline

Online Session*: Explore what Power BI can do for you (69 mins)

❖ **Topic 1: Discover data analysis**
- Overview of data analysis
- Roles in data
- Tasks of a data analyst
- Build up knowledge

❖ **Topic 2: Perform analytics in Power BI**
- Introduction to analytics
- Advance data modelling
- Explore statistical summary
- Identify outliers with Power BI visuals
- Group and bin data for analysis
- Apply clustering techniques
- Conduct time series analysis
- Use the Analyze feature
- Use advanced analytics custom visuals
- Review Quick insights
- Apply AI Insights

❖ **Topic 3: Work with AI visuals in Power BI**
- Introduction to working with AI visuals
- Use the Q&A visual
- Find important factors with the Key influencers visual
- Use the Decomposition Tree visual to break down a measure
- Exercise - Data analysis in Power BI Desktop

❖ **Topic 4: Data Model Design and Use DAX in Power BI Desktop**
- Design a data model in Power BI
- Working with tables
- Work with dimensions
- Star schema design
- Analytic queries
- Configure report visuals
- Write DAX formulas
- DAX data types
- Work with DAX functions
- Use DAX operators
- Use DAX variables
- Use DAX time intelligence functions
- Additional time intelligence calculations

❖ **Topic 5: Data Visualization in Power BI**
- Introduction to visuals in Power BI
- Create and customize simple visualizations
- Create slicers
- Map visualizations
- Matrices and tables
- Create scatter, waterfall, and funnel charts
- Modify colors in charts and visuals
- Page layout and formatting

❖ **Topic 6: Manage workspaces in Power BI**
- Distribute a report or dashboard
- Monitor usage and performance
- Recommend a development life cycle strategy
- Troubleshoot data by viewing its lineage
- Configure data protection

❖ **Topic 7: Manage datasets in Power BI**
- Create dynamic reports with parameters
- Create what-if parameters
- Configure a dataset scheduled refresh
- Manage and promote datasets
- Troubleshoot service connectivity
- Exercise on datasets

❖ **Topic 8: Extra Visuals and Integration with Power Apps**
- Create Extra Visuals
- Heatmap, Sankey Diagrams, Violin Chart etc.
- Integration with Power Apps
- Exercise on datasets

Enterprise 4.0:
Certificate in Power BI for Data Analytics

Trainer

Patrick TSOI, he is a trainer with over 20 years hands-on data science, Big Data and programming experiences. He is a Doctor of Education candidate from the Hong Kong Baptist University, Master in IT Education graduate from the University of Hong Kong and B.Eng in System Engineering and Engineering Management from the Chinese University of Hong Kong.

Award of Certificate of Accomplishment

Participants with full attendance and completion of online training hours will be awarded a Certificate of Accomplishment by the Hong Kong Productivity Council ***empowered by Microsoft HK***.*

Special to HKCS members

- May enjoy up to HK$300 Bookstore Coupon. **Promo Code: CS11HK2020**
- Can apply for the **certification of CPD hours**, this course hours will be counted.
  Please visit: http://www.hkcs.org.hk/continuous-professional-development-cpd/ for your information about CPD Hours.

RTTP Training Grant Application
Companies should submit their RTTP training grant application for their employee(s) via https://rttp.vtc.edu.hk/rttp/login at least two weeks before course commencement. Alternatively, application form could be submitted by email to rttp@vtc.edu.hk along with supporting documents.

Enrolment Methods

1. Scan the QR code to complete the enrolment and payment online.
2. Mail the crossed cheque with payee name "Hong Kong Productivity Council" (in HK dollar) and the application form should be mailed to HKPC Academy, Hong Kong Productivity Council, 3/F, HKPC Building, 78 Tat Chee Avenue, Kowloon (attention to Ms Cherry LAM). Please indicate the course name and course code on the envelope.

Enrolment Link

Empowered by Microsoft

Supporting Organisations

50th Anniversary Hong Kong Computer Society 香港電腦學會

WTIA 香港無線科技商會

Hong Kong Software Industry Association 香港軟件行業協會

Inquiry Ms LAM | +852 2788 5800 | ecinfo@hkpc.org