Get In Touch

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UNIMAS
UNIVERSITI MALAYSIA SARAWAK

PROFESSIONAL DIPLOMA IN **APPLIED DATA ANALYTICS**

STRATEGIC PARTNERSHIP

NON-MQA

UNIMAS
UNIVERSITI MALAYSIA SARAWAK
BUSINESS SCHOOL

PEOPLElogy
DISCOVERY • DEVELOPMENT • DIGITALISATION

INTRODUCTION

This course will discuss the various methods and best practices that are in line with business and technical requirements for modeling, visualizing, and analyzing data with Power BI. The course will also show how to access and process data from a range of data sources including both relational and non-relational data.

Python is an **interpreted, general-purpose programming language**, which is one of the most popular choices for modern software development. Python is often recommended as a good 'starter' language for beginner programmers, as it is straight-forward and easy to learn.

Learning Python is not difficult. In fact, the language was designed with **simplicity in mind** – the syntax is simple, and you can achieve a high level of proficiency faster than in the case of other backend languages.

Course provides an introductory overview of Apache Hadoop – HDFS and MapReduce and Spark. A basic understanding of Big Data from business and technology perspectives is provided, along with an overview of common benefits, challenges, and adoption issues.

LEARNING OUTCOME

PL01

Analyse and visualize data using Excel and Power BI

PL02

Increase their technical and essential skills in big data analytics

PL03

Have the ability to visualize data to present to others

PL04

Collaborate with Power BI data

PROGRAMME MODULES

Module 1 Data Analytics with Excel
Module 2 Applying Data Analytics with Excel
Module 3 Big Data with Hadoop and Spark
Module 4 Python Programming
Module 5 Applied Python Programming
Module 6 Power BI
Module 7 Applied Power BI
Module 8 Digital Agility
Module 9 Digital Communication
Module 10 Digital Management

ASSESSMENT METHODS

70%
Continuous Assessment

30%
Final Assessment

DURATION OF STUDY

12 months
10 modules

MODE OF STUDY

Presentation, Hands-On Labs, Discussion, Coursework

WHO SHOULD APPLY?

- Anyone who is interested in becoming Data Engineer, Data Analyst, Data Visualization

PROGRAMME FEE

RM21,000
(inclusive 6% SST)

REGISTRATION FEE

RM500

ENTRY REQUIREMENTS

Passed SPM / STPM / Equivalent

OR

Other academic qualifications with 2 years working experience depending on UNIMAS Senate approval;

OR

Passed Accreditation of Prior Experiential Learning APEL(A)