City Labs – Ideal Career Partner

# MALAYSIAN INSTITUTE OF PURCHASING AND MATERIALS MANAGEMENT (MIPMM)

40 Years CENTRE OF EXCELLENCE For Certification

## Program Overview- (Certified Big Data Analyst - Python programming)

Python is world's fastest growing and most popular programming language used by **software engineers, analysts, data scientists, and machine learning engineers alike**. This course aims to covers theoretical and technical aspects of using Python in Applied Data Science. Throughout the course students will be led through a series of progressively advanced topics, where each topic consists of lecture, group discussion, comprehensive hands-on lab exercises, and lab review. This course is "skills-centric", designed to train attendees in core Python and "**Data Analysis**" skills beyond an intermediate level, coupling the most current, effective techniques with best practices.

## Course Objective

This program designed to focus on ***"SMART"*** application process.

**Specific**
Understanding the specific skills for Data Analysis using Python Programming Language

**Measurable**
Develop self-improvement with latest tools and technique to be more cost effective and impact of IR.4.0

**Action**
Confident in handling data Visualization and data processing and prepared to deal with complex data handling.

**Realistic**
Realization with Statistical Data Analysis. Increase saving and reduce the losses.

**Time Frame**
Able to make right decision on right time for better results

## Learning Outcome

The learning outcome of the program according to ***"ADDIE"***s process
-Analysis-Big Data Analysis
-Design-Creative Data Visualization
-Development -Determine the needs
-Implementation-Improves the ability on decision making
-Evaluation -Evaluate the improvement

## Who Should Attend

**Big Data Analyst, Data Science Specialist**

## Program Course Content

### Day 1

OVERVIEW OF PYTHON- GETTING STARTED

### Day 2

FLOW CONTROL AND SEQUENCES

### Day 3

Python Data Processing

### Day 4

Python Data Visualization

### Day 5

Statistical Data Analysis using Python

*Case Studies*

*Open Book Examination & On-line Examination*

## Training Activity / Methodology:

This program places heavy emphasis on experimental learning and delivered through:
Lecture, Role Play, Practical Exercise, Cases Studies, Video Presentation, Training Games and etc.

IFPSM GLOBAL STANDARD FOR PROFESSIONAL COMPETENCE IN PURCHASING & SUPPLY MANAGEMENT

IMPACT IR 4.0 - Industrial Revolution 4.0

SCOOP EXAMS Computer Based Testing

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