



MONASH University

Information Technology

FIT5202

“It’s about Big Data”

Week 1a – Overview

**algorithm** distributed systems **database**  
systems **computation** knowledge ma  
**design** e-business **model** data mining int  
distributed systems **database** software  
**computation** knowledge management an

# Your Unit Chief Examiner & Lecturer

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# Your Unit Tutors

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& Admin Tutor**



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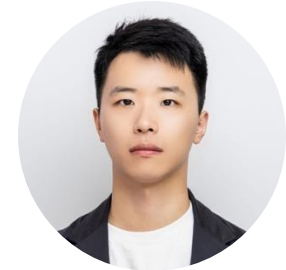
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# Overview

1. A new unit
2. About Big Data
- 3. Main requirement:**
  - You must like programming
  - Not necessarily databases
- 4. 1<sup>st</sup> Consideration:**
  - Programming... Programming

# Why take this unit?

1. Jobs
2. Not enough experts



big data

Malaysia

Jobs

Date Posted

Experience Level

Compar

## Big data in Malaysia

972 results

Set alert



Promoted • 2 applicants



### Data Analyst

Outsized

Selangor, Malaysia (On-site)



1 company alumnus works here

8 hours ago • Easy Apply



### Staff Data Scientist

bp

Kuala Lumpur Central, Federal Territory of Kuala Lumpur, Malaysia



12 company alumni work here

1 hour ago

Cognizant

### Big Data Hadoop Developer

Cognizant

Kuala Lumpur, Federal Territory of Kuala Lumpur, Malaysia



ASTEK

### Big Data Developer

Astek

Kuala Lumpur, Federal Territory of Kuala Lumpur, Malaysia  
(Remote)



Actively recruiting

Promoted • 19 applicants • Easy Apply

Cognizant

### BIG DATA Developer /architect

Cognizant

Kuala Lumpur, Federal Territory of Kuala Lumpur, Malaysia  
(On-site)



1 connection works here

Promoted • 0 applicants



### Senior Data Scientist

HSBC

Kuala Lumpur, Federal Territory of Kuala Lumpur, Malaysia  
(On-site)



2 connections work here

1 month ago • 5 applicants

GLOBAL FASHION GROUP

### Senior Data Engineer

Global Fashion Group

Kuala Lumpur, Federal Territory of Kuala Lumpur, Malaysia  
(On-site)



1 alum works here

2 weeks ago • 8 applicants



### Senior Machine Learning Engineer

Keysight Technologies

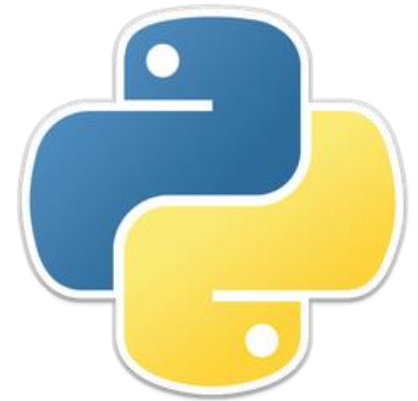
Penang, Malaysia (On-site)



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# Technologies you are going to learn...

1. **Python** as the base programming language
2. **Apache Kafka**
3. **Apache Spark and Streaming**



# How to pass this unit?

## 2<sup>nd</sup> Consideration:

- Regularly check unit announcements and Ed Forum
  - Both are official way of communications with students

## Following the learning pathway:

### ☐ Pre-forum/lab

- ☐ Read Lecture materials
- ☐ Watch lecture videos
- ☐ Complete Flux quiz
- ☐ Read lab resources
- ☐ Forum: Important aspects of lectures will be highlighted and reviewed, discussion of flux quiz problems
- ☐ Labs: Participation in lab tasks in groups, followed by discussions by lecturer



# Assessments...

1. Flux participation
  - Individual assessment
  - 5%
2. Assignment
  - Individual Assignments
    - A1: 15%
    - A2: 30%
      - Part 1: 15%
      - Part 2: 15%
3. Lab Attendance
  - 5%
4. Exam
  - 45%

## Question:

**Want to know how final exam like and its difficulties?**

Are we expected to code in the exam? Do we get to do the exam from home? Is the exam more theoretical?