



KOLEJ UNITI
PORT DICKSON

DIPLOMA IN
**INFORMATION
TECHNOLOGY**

Fakulti Teknologi Dan Kejuruteraan

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MENGAPA PROGRAM
DIT KOLEJ UNITI MESTI
MENJADI PILIHAN?

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- SEMESTER 1 - 6

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- COMPUTER PROGRAMMING
- OPERATING SYSTEM
- DATA COMMUNICATION & NETWORK
- LINUX ESSENTIALS PROFESSIONAL DEVELOPMENT CERTIFICATE
- DATABASE MODELLING
- INTERNET PROGRAMMING
- MOBILE DEVELOPMENT APPLICATION

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PELAJAR/ LATIHAN INDUSTRI

- LAWATAN AKADEMIK KE INDUSTRI
- PROJEK TAHUN AKHIR
- LATIHAN INDUSTRI

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ALUMNI *DIT*

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PENILAI LUAR

- INDUSTRI
- AKADEMIK

SENARAI KANDUNGAN

1 Program ini dibangunkan bagi melahirkan graduan teknologi maklumat yang berdaya saing, kreatif dan berinovasi dalam era negara yang sedang menuju ke arah globalisasi dan teknologi komunikasi maklumat (ICT).

2 Sukatan pelajaran bagi DITSS meliputi keperluan pembangunan semasa dan dilengkapi dengan Sijil Linux Professional Institute (LPI) untuk Linux Essentials dan peperiksaan 101 dan 102 yang diiktiraf oleh Institut Profesional Linux (LPI) sebagai nilai tambah kepada pelajar untuk persediaan mereka ke alam dunia pekerjaan.

3 Pelajar juga berpeluang untuk mempelajari kursus-kursus seperti Multimedia, Rangkaian Komputer, Keselamatan Komputer dan rangkaian, Aplikasi mudah alih dan lain-lain dengan menggunakan perisian komputer terkini berdasarkan keperluan semasa dalam bidang IT.

PENGENALAN

1 Syarat masuk yang mudah.

2 Pensijilan Linux Profesional yang diiktiraf oleh Linux Foundation (LF).

3 Penggunaan Perisian Sistem Terbuka (Open Source Software) yang semakin meluas dalam industri.

MENGAPA PROGRAM *DIT* KOLEJ UNITI MESTI MENJADI PILIHAN?

4 Kepentingan Big Data dalam semua sector dan menjadi keutamaan.

5 Hampir 100% graduan mendapat kerja dalam bidang profesional IT.

6 Pengiktirafan MQA sepanjang hayat.

SYARAT **KEMASUKAN**

Lulus SPM dengan mendapat
sekurang-kurangnya 3 kredit
Matematik



STURUKTUR KURIKULUM

SEMESTER 1

- Calculus and Algebra
- Computer Programming
- Computer Architecture and Organization
- Information Management Technology
- Foundation English
- Penghayatan Etika dan Peradaban

SEMESTER 2

- Discrete Mathematics
- Data Communication and Networking
- Database Modelling
- Object Oriented Programming
- Intermediate English
- Bahasa Kebangsaan
- Pengantar Pemikiran Kritis & Kreatif

SEMESTER 3

- Statistic and Probability
- Data Structure
- Operating System
- Web Development and Mobile Application
- User Experience Design
- Kursus Integriti dan Antirasuah

- Cloud Computing
- Computer Hardware Technology
- Cybersecurity
- System Analysis and Design
- Professional Communication
- Khidmat Sosial
- Kokurikulum 1a (Asas Fardhu Ain)
- Kokurikulum 1b (Kemahiran Profesional)

SEMESTER 4

- Internet of Things
- Ethics and Legal in Computing
- Final Year Project
- Multimedia System
- Digital Electronics
- Artificial Intelligence
- Entrepreneurship
- Kokurikulum 2a (Asas Al-Quran dan Tajwid)
- Kokurikulum 2b (Badminton)

SEMESTER 5

- Industrial Training

SEMESTER 6

RINGKASAN KURSUS

This course focuses on problem solving and programming techniques. Among the problems solving technique is to design algorithms using pseudo code or flow chart. Topics include detailed concept of data representation, data constants and variables, arithmetic expressions and assignment statements, problem solving with the structure and repeat options. Exposure will be given for Object Oriented Programming (OOP).

COMPUTER PROGRAMMING

OPERATING SYSTEM

The operating system controls the system of the organization, the work force and the ability of a computer system. If the processor is often regarded as the brains of computers, the operating systems are that acts as a "soul" of a computer system. There are experts expressed by mastering the operation of our system actually works in the computer system.

This course discusses the basic concepts of data communications and terminology used in computer networks, relationships and the differences between local area networks and network areas. This course introduces students to the physical transmission characteristics, network architecture, logical architecture control, and the elements of the relay between networks.

DATA COMMUNICATION & NETWORKING

LINUX ESSENTIALS PROFESSIONAL DEVELOPMENT CERTIFICATE

Understands the basic concepts of processes, programs and the components of an Operating System. Demonstrates knowledge of Open Source Applications in the Workplace as they relate to Closed Source equivalents. Understands navigation systems on a Linux Desktop and where to go for help.

This course emphasizes application using relational database system management. It is prepared student with technical skills for application programming with database. It is cover entity relational model, definition and SQL queries and application development.

DATABASE MODELLING

INTERNET PROGRAMMING

This course emphasizes application using relational database system management. It is prepared student with technical skills for application programming with database. It is cover entity relational model, definition and SQL queries and application development.

Students are able to understand the unique aspects of mobile application design, work in resource sensitive and resolution variant environments, develop applications with location awareness and hardware sensors, understand the use of a mobile device API and develop applications in a client-server environment.

MOBILE APPLICATION DEVELOPMENT



PELUANG SAMBUNG BELAJAR

Berpeluang menyambung pengajian peringkat Ijazah Sarjana Muda dalam university tempatan dan luar negara dalam bidang

- Sistem Sokongan Teknologi Maklumat
- Sains Komputer
- Kejuruteraan Perisian
- Teknologi Maklumat
- Keselamatan Komputer dan Rangkaian
- Rangkaian Komputer



**Fresh
graduate
RM2,000**

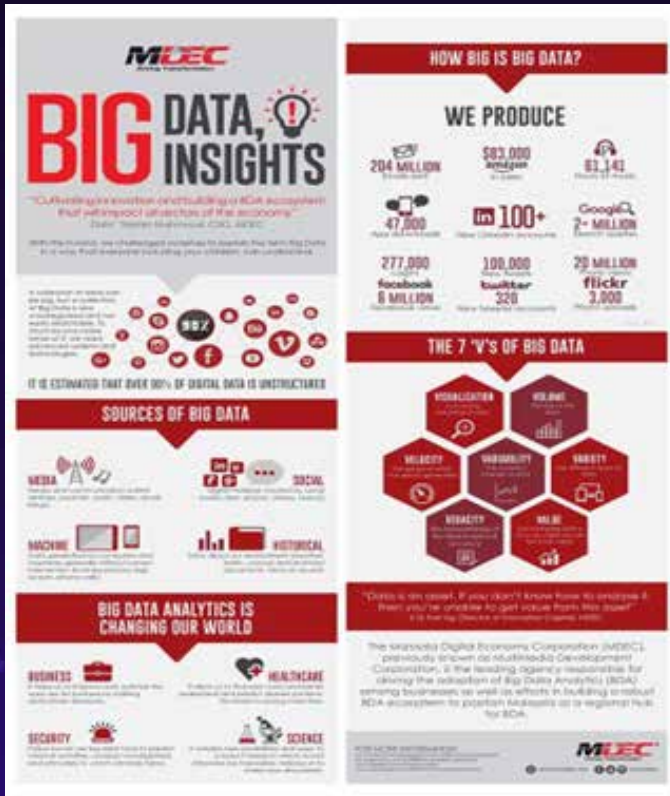
**Junior IT
RM5,000**

**Senior IT
RM10,000**

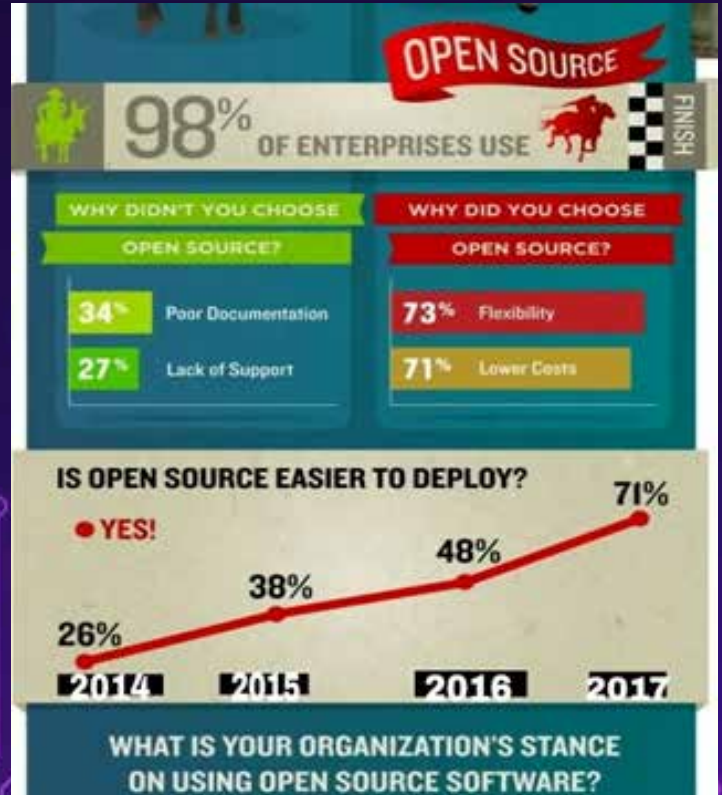
- IT System Support Technician
- Linux Junior System Engineer
- Programmer
- IT assistant officer
- Web developer System administrator assistant
- Network engineer assistant
- Project manager assistant
- Technical support assistant
- Database administrator assistant

LALUAN KEJRAYA

- Membuka perniagaan kedai Jual Beli/Baik Pulih Komputer
- Free lancer servis computer/laptop/handphone
- Consultant Open Source
- Consultant IT
- Trainer IT
- Trainer Open Source
- IT Supporter
- Freelance Technician
- Cloud-Based Developer



Sumber: the edge market



Sumber: the edge market

PERMINTAAN PASARAN SEMASA

Peluang pekerjaan yg tersedia luas.

MDEC's commissioned study shows Malaysia's big data analytics market expected to grow to US\$1.9b by 2025

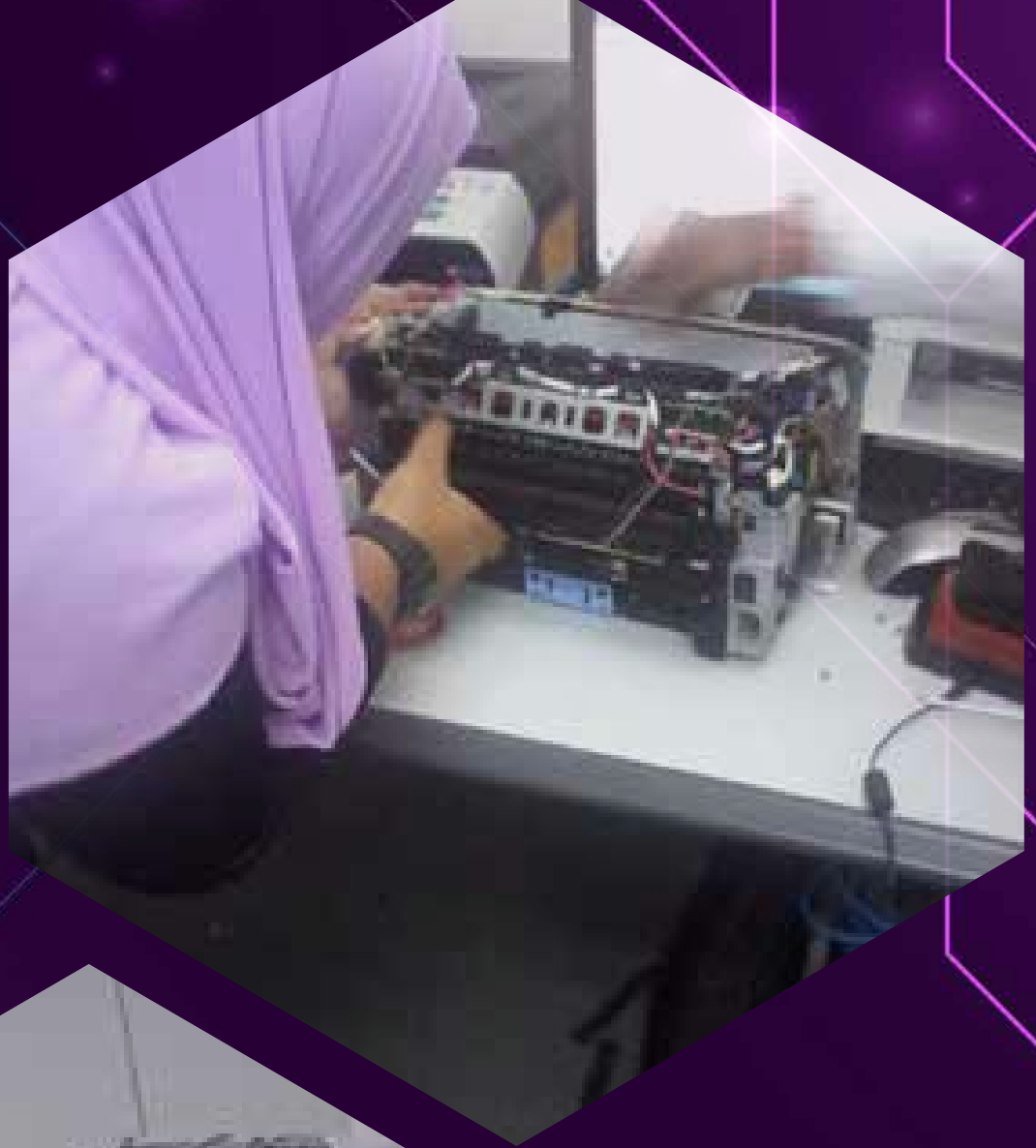
***PROGRAM PELAJAR/
PROJEK PELAJAR/
LATIHAN INDUSTRI***



*Lawatan
Akademik
ke Industri*



*Projek
Tahun
Akhir*





*Latihan
Industri*



ALUMNI *DIT*



Ahmad Tajul Faizal
2011
Penolong Penguasa
Penjara Satelit
Kuala Kubu Baru

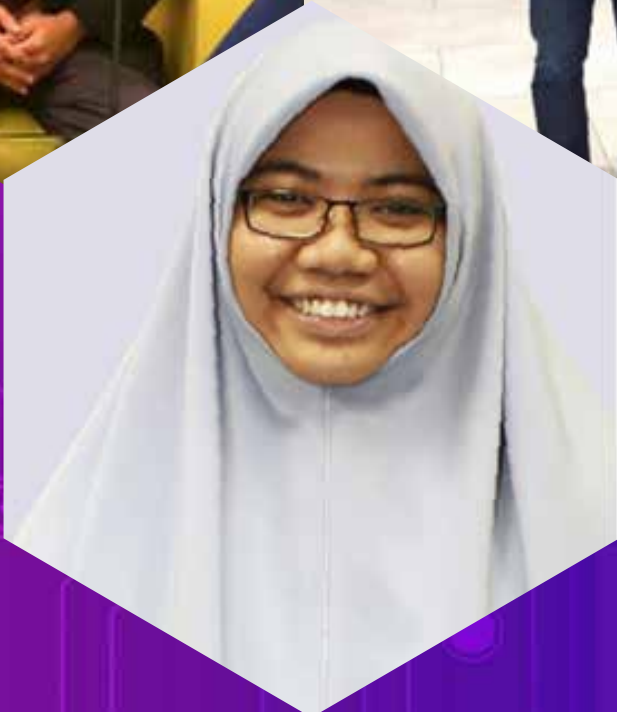
Fazrul Aizad
2011
Pengaturcara, Pusat
Zakat Melaka



Abdul Mu'iz Ramli
2011
Penolong Pegawai
Teknologi Maklumat,
Putrajaya



Nur Izzatie Isa
2011
Sambung belajar
Ijazah Sarjana Muda
Sains Komputer di
UKM





**Muhamad Tarmizi Bin
Mohamad Noor**
2012
Pegawai Polis, Jabatan
ICT Cawangan Negeri
Kelantan



**Mohammad Rahimi Bin
Mohammad Shariff**
2015
Pegawai Bomba, Jabatan
Bomba dan Penyelamat
Negeri Perak



Asyraf Azman
2015
Penolong pegawai IT
Wisma Negeri Melaka



Norrani Jowani
2016
System Support
Executive, AIM Solution
Sdn Bhd, KL

PENILAI LUAR

- Pengalaman hampir 25 tahun dalam bidang open source
- menyokong penggunaan perisian sumber terbuka dan membangunkan komuniti sumber terbuka yang aktif di Malaysia.
- Sebagai pelobi & Aktivis sumber terbuka.
- Perunding perisian sumber terbuka
- Sebagai Profesional IT yang berpengalaman lebih daripada 25 tahun (Sejak 1991)
- Berpengalaman menguruskan Unix dan Linux Systems Hands-On.
- Custom Maps Application with Google Maps and such.
- Cloud & Grid Computing
- Technical support personnel



INDUSTRI

En. HarisFazillah Jamel

- Pengarah UOSI Solution Sdn Bhd
- Consultant Open Source Software
- Project Manager
- Service Delivery Manager
- R & D Manager
- Assistant Vice President



AKADEMIK

**Prof. Dr. Syed Abdul Rahman
al-Hadad Syed Mohamed**

Professor,
Jabatan Kejuruteraan Sistem
Komputer dan Komunikasi,
Fakulti Kejuruteraan, UPM

- Lebih 10 tahun pengalaman mengajar
- Bidang kepakaran:
 1. Speech/Voice/Sound Recognition /Spoken/Natural Language
 2. Computer Telephony Integration
 3. Office Automation Based Fax
 4. Artificial Intelligence
 5. Publication Journal - Audio on Demand System Using RTP Protocol based on JMF API
 6. Simulation for transmitting of MPEG-4 over Satellite Network
 7. Doppler Effect Method For Speed Trap Detector
 8. Research project : Remote Database Uploading Using Fax

SIJIL AKREDITASI



**DAFTAR
SEKARANG!**

https://bit.ly/daftar_UNITI

DIT (MQA -A9161 / (R/481/4/0297))
FAKULTI TEKNOLOGI DAN KEJURUTERAAN
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Fax: 06 602 0302



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Youtube: [kolejunitiportdickson](https://www.youtube.com/kolejunitiportdickson)