



THE BRANDLAUREATE
CSR BRANDEADERSHIP
AWARDS 2018



PERDANA UNIVERSITY

DU026(B)



BACHELOR OF COMPUTER SCIENCE (HONS) IN DATA SCIENCE

JPT/BPP (N/481/6/0812) (MQA/PA11408) 05/24
SCHOOL OF DATA SCIENCES

Recognised by the
Malaysia Board of Technologists



ABOUT PERDANA UNIVERSITY

Perdana University is envisioned to be an education-research hub for the region fulfilling the needs of the nation for competent health science graduates. It was established as a Public Private Partnership (PPP) initiative by Academic Medical Centre Sdn. Bhd., a subsidiary of Chase Perdana Sdn. Bhd. with the support of the Prime Minister's Department. The University is well equipped with leading edge teaching and learning facilities.

DEAN'S MESSAGE

Data Science is an interdisciplinary field that uses a combination of approaches to extract knowledge or insights from data. It is an exciting area with tremendous opportunities to improve the quality of life for people across the world. It is applicable to a broad range of fields such as life sciences, physical sciences, engineering and technology, and social sciences, among others. The School of Data Sciences aims to be on the vanguard for data science. It was set up to concurrently address the three interconnected facets of an academic endeavour—research, education and services—in order to effectively contribute to the advancement of data science in Malaysia and beyond.



Assoc. Prof. Dr. Yam Wai Keat
Acting Dean
BSc (Hons) (With Distinction) (UM), PhD (USM)

WHAT IS DATA SCIENCE?

The science and art of managing, merging, storing, analyzing large amounts of data and creating visualizations to help others understand them. It draws on techniques and theories from a wide range of disciplines including mathematics, statistics, computing, information science, etc. to make sense of data and make advances in the fields that are generating it



**DATA
SCIENCE**



BIG = BIG
DATA = OPPORTUNITIES



Data that is too **LARGE, COMPLEX** and **DYNAMIC** for any conventional data tools to capture, store, manage and analyze.



This last decade has brought about such a **HUGE** explosion of data that people do not know what to do with it!

2.5 QUINTILLION bytes of data is produced every day!



But correctly working with the data can bring about **DEEP** insights and developments for the benefit of humanity.

Weather, Politics, Biology, Retail, eCommerce, Finance, Healthcare, Sports, Science and Research, Machine and Device, Automobile, Real Estate, Aviation, Entertainment, Telecom, Government, Social Media, Military, etc.

AREAS WITH BIG DATA

THE UNIQUENESS



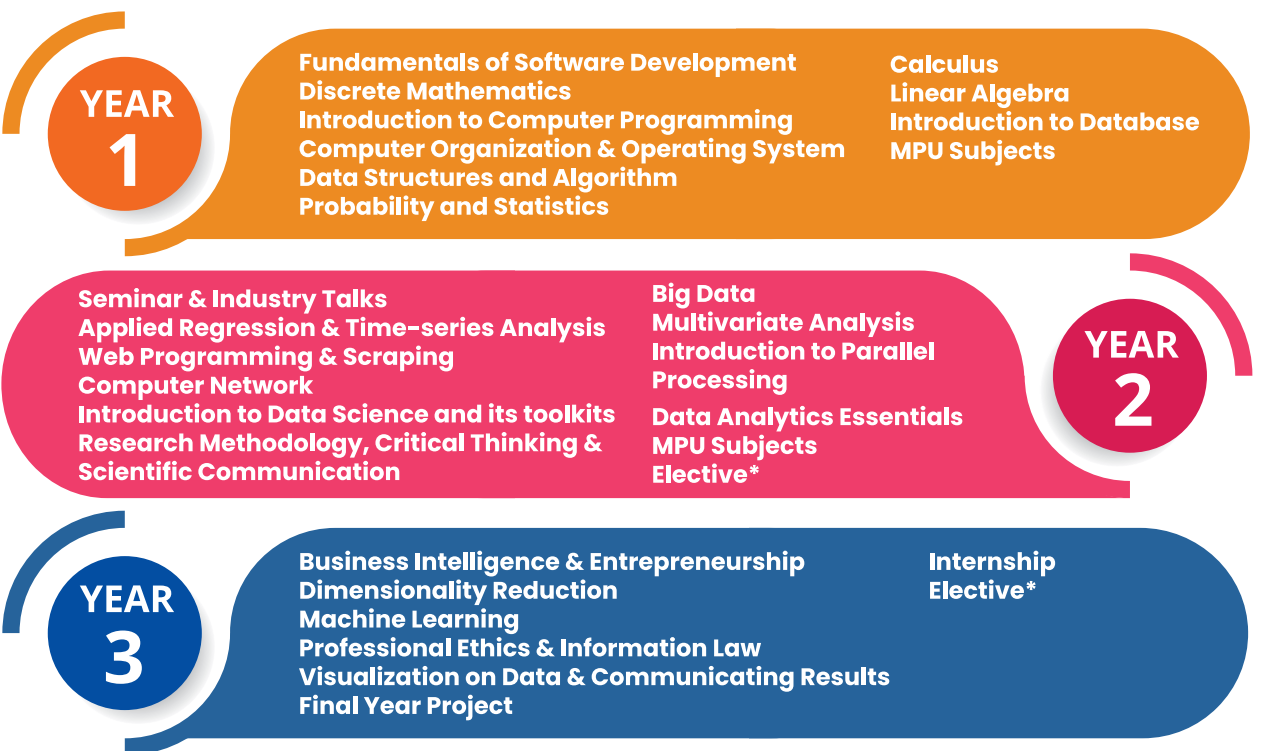
CAREER OPPORTUNITIES



PROGRAMME DETAILS

AWARD TITLE	BACHELOR OF COMPUTER SCIENCE (HONS) IN DATA SCIENCE
DURATION OF STUDY	3 YEARS (FULL-TIME)
CREDIT HOURS	120
TEACHING & LEARNING METHOD	BLENDED LEARNING (LECTURES COMBINED WITH ONLINE LEARNING AND INDEPENDENT STUDY), PRACTICAL, TUTORIAL, INTERNSHIP, ASSIGNMENT, PRESENTATION AND TEST

CURRICULUM STRUCTURE



Electives*
(Choose any TWO only)

Digital Marketing
Data Mining Application in Life Sciences
Health Analytics & Data Mining

Econometrics
Data Driven Organisation

ENTRY REQUIREMENT

STPM OR EQUIVALENT (Science Stream)

Minimum Grade C (NGMP 2.00) in 1 Mathematics subject and 1 Science/ICT subject

STPM (Non-Science Stream)

Minimum Grade C (NGMP 2.00) in any 2 subjects and Credit in Additional Mathematics or Mathematics and any 1 Science, Technology or Engineering subject at SPM or equivalent.

FOUNDATION / MATRICULATION OR EQUIVALENT (Non-Science Stream)

Minimum CGPA of 2.00 and Credit in either Additional Mathematics or Mathematics and any 1 Science, Technology or Engineering subject at SPM or equivalent

DIPLOMA IN ICT / SCIENCE AND TECHNOLOGY RELATED FIELD

Minimum CGPA of 2.50 (Candidates with CGPA below 2.5 but above 2.0 may be admitted subject to rigorous internal assessment process).

OTHERS

Other equivalent qualifications recognised by Perdana University's Senate

*ANY ONE OF THE ABOVE QUALIFICATION REQUIREMENTS WILL BE CONSIDERED



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