



Enterprise
Data
Scientist



CADS

FUTURE PROOFING THE WORLD!

Enterprise Data Scientist

Drive innovation with data
and AI-driven algorithms

APPLY NOW!

Instructor-led workshops
+ online learning.



Tap into "billion dollar business" with AI & data analytics.

Top brands are smart brands powered by data analytics and artificial intelligence.

Data, analytics and artificial intelligence are redefining how companies create, capture, share, and deliver value.

AI-centric organizations serves more than 10X the customers than the largest U.S. banks with less than 1/10 of the workforce needed.

Corporations powered by AI at its core such as Ant Financial, Uber, Google, Facebook, Amazon, WhatsApp exhibit a new operating architecture than traditional businesses.

No amount of technology implementation will sustain your transformation efforts. But talents will.

As leaders focus on unlocking the potential of data, they often just hire a CDO or a few data analysts with the expectation of unlocking data's secrets.

The reality is that we need a full team of professionals from different skill sets for this to happen. With a one-man chief data officer, you are just scratching the surface.

Data scientists, data analysts and data engineers are three musketeer team to get successful data projects running.

As you develop and execute digitalization initiatives, you will eventually realize the recipe to a successful transformation will involve the entire organization.

Every department needs to become data literate to make sense of data and improve business performances based on data-driven insights.

Every department needs a data practitioner to make sense of data and improve business performances based on data-driven insights.

Sharala Axryd, founder and CEO of CADS.



Drive Innovation with Data & AI Algorithms.

AI technologies are a rapidly expanding field that shows no sign of slowing. Data scientists who master the statistical and machine learning foundations is the driver behind technological innovation.

The Enterprise Data Scientist certification program gets candidates to master statistical and machine learning foundations to solve complex business challenges.

Master analytical methodologies to create AI-driven business solutions aligned to business strategies.

Learning Outcomes



Applied Data Science knowledge & skills, Big Data analytics, artificial intelligence, and business intelligence.



Perform sentiment analysis and topic modeling with Natural Language Processing techniques.



Able to train and tune data models with supervised machine learning and unsupervised machine learning methodologies.



Robustly evaluate algorithm performance & models to gain new insights with unconventional statistical methods.



Implement data science and advanced analytical methods to address complex business problems from a variety of fields.



Maintain clean, accurate & structured data for complex analytics & machine learning applications.



Think critically about data and drive decision making without standing data visualization and storytelling.

Tools



Tap into billion dollar business with data science.

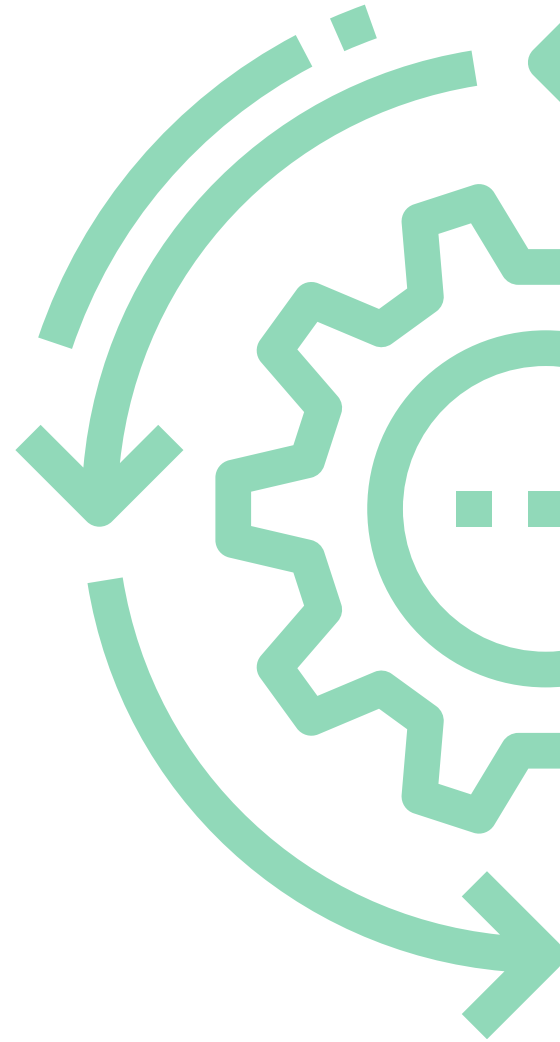


Scrutinizing data requires expertise in data mining and calls for a systematic data science team. Data-driven organizations are powered by teams of data scientists to transform that mass of data into usable intelligence.

In just 342.5 hours, candidates get to master the crux of data science and will be able to formulate working algorithms based on industry use cases. With guidance from experts in data science, they can now deliver successful insights for their business needs!

Upon completion of the program, a business-savvy data scientist is born. A business-savvy data scientist not only understands how to use tech but also recognizes real world problems that need solving with their analytics solutions.

As they are able to communicate and articulate insights more effectively, they are better at spotting opportunities with data and developing AI algorithms to solve the most meaningful issues.



Progress into the future.



Course Outline

Supervised Machine Learning

Grasp methods to label datasets and train algorithms that to classify data or predict outcomes accurately.

Unsupervised Machine Learning

Use machine learning algorithms to analyze and cluster unlabeled datasets. These algorithms discover hidden patterns or data groupings automatically.

Relational Database Design

Grasp design of databases and an advanced SQL with intensive database design to define structure, advanced SQL syntax, and Data Definition Language (DDL) in SQL.

NoSQL Essential

Grasp concepts of NoSQL & learn different types of NoSQL databases to implement NoSQL databases, especially MongoDB.

Big Data Analytics with Apache Spark

Understand concepts of Apache Spark & learn to develop Spark applications to implement big data processing pipelines.

Deep Learning

Build, train, and apply neural networks to predict outcomes. Solve complex problems. Utilize Keras in Tensorflow 2.0 framework.

Basics of Natural Language Processing

Introduction to natural language processing & analysis with ML. Learn to analyze & create projects. learn modeling, feature extraction, sentiment analysis. Basic to advanced framework.

Advanced Natural Language Processing

Grasp modern neural network algorithms for the processing of linguistic information. Move from word representation & synthetic processing to design & implement deep learning models for text classification, sentiment analysis tasks.

Data Science Development Tools

Learn to setup a data development environment. Get an overview of common tools used. Create & execute programs, package management, code version control, use the command line to run scripts. includes an introduction to cloud solutions for data science. Learn to implement models and solutions to data science problems independently.

Data Storytelling

Learn to articulate findings through both narrative and visual strategies through effective communication of data insights.

Capstone

Unleash your capability in building smart AI applications with concepts and knowledge learned. Use machine learning, natural language processing, and deep learning techniques to create robust systems that boost business decision making.





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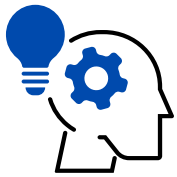


CADS

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Officially recognised as a Yayasan Peneraju Approved Learning & Training Institution (ALTI), CADS AI is dedicated to nurturing the next generation of Data Analytics and Artificial Intelligence talent, driving Malaysia's future growth.

Certification Programs Funded by Yayasan Peneraju's Financing Scheme – empowering all talents to participate in the following:



**SILVER OF FLEXIBLE
FINANCING PACKAGE**




0% INTEREST




**MAXIMUM FINANCING UP
TO RM 15,000.00**

	SILVER UP TO RM 15,000.00
Training / Tuition fee	✓
Professional / Examination fee	✓
Monthly Allowance*	✗
Repayment*	0%
Scheme's limit for reapply*	One-time only
Convertible to Scholarship if straight pass*	*Terms and conditions apply

Who should attend:

-  **17-60 yrs old**
-  **Malaysian citizen**
-  **Bumiputera**

 **SIGN UP**



PDU Approved ✓

INFORMS is the leading international association for professionals in operations research, analytics, management science, economics, behavioral science, statistics, artificial intelligence, data science, applied mathematics, and other relevant fields.

CADS is a Professional Education Partner (PEP) with INFORMS. PEP is an INFORMS program designed to provide a reliable list of organization and university courses that learners can use to earn professional development units (PDUs) and help learners remain Certified Analytics Professionals (CAPs). Holder of AEDA certification can earn PDUs recognized by INFORMS.

Build Data Driven Organization™

Start with a data literate workforce.

CADS AI is a skills Intelligence platform™ that monitors the digital maturity of an organization and prepares the organization with the skills required to be successful in their digital journey.

CADS empowers organizations towards digital transformation with skills intelligence.

Our enterprise solution for data literacy skills development purposely built up accelerate data-driven maturity of organizations by building institutional data literacy skills.



Vision

Future proof the world by improving data literacy of economies.

Mission

Accelerate data-driven maturity of organizations by building institutional data literacy skills.

BUILD DATA DRIVEN ORGANIZATION



Businesses of the next decade can gain unparalleled advantages through data, analytics and artificial intelligence.

BRIDGE WORKFORCE DATA LITERACY SKILLS GAP



Unlock the ability to transform data into meaningful intelligence.

DEVELOP FUTURE-READY WORKFORCE



Develop people-focused transformation roadmap to scale and expand business locally, regionally and internationally.

We work with ambitious organizations from Fortune 500 companies and market leaders in banking, oil and gas, and government sectors in ASEAN to build data literate talents.



Testimonials

- 100% of participants from a tracer study agreed that the program would benefit the state's ambition to be a digital & data-driven state.
- Supervisors of participants provided a weighted average of 4.08 over 5.00 in the agreement that the program enhanced employees' knowledge and skill in their workplace.
- 100% of supervisors agree that the program had increased productivity levels & quality of work after program completion.
- 100% of the supervisors would recommend the program to other employees and agencies.

Post-program tracer study, state government agency, Malaysia

I didn't know that Big Data itself is huge. At least I know how to optimize and utilize data better now!

Nur Amira Binti Zamri, Executive, Culture & Engagement, UMW



Overall, the training program gives me a new sight of data in the corporate world. The training structure was approachable and comprehensive.

Sharon A/P Sathiyavoo, MIDF

This program gives me valuable knowledge and experiences to solve real-world problems with technology. At the same time, it also helped me to upskill and prepare me for my career advancement.

Siratol Azrina Binti Mahisar, TM



Learned about Cloud, Hadoop ecosystem HDFS, Managing Big Data Software... which is helped me to enhanced my knowledge & improved my skills in order enroll myself into future projects.

Sri Thiba Nathan a/I Chellamuthu, RHB



For the members of the Malaysia Board of Technologists (MBOT), 78 CPD hours will be awarded upon completion of the Associate Enterprise Data Analyst (AEDA) certification course.

We tailor & develop specialized skills development training program for all levels of workforce. All of the programs are HRDF claimable.

- Data-driven leadership
- Data-driven culture development
- Forming a data science team
- Data-driven organization roadmap





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If you have questions regarding this program,
contact us at:

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