

# SPECIALIST DIPLOMA IN APPLIED ARTIFICIAL INTELLIGENCE

PROGRAMME TYPE: Specialist Diploma + Work-Study Post-Diploma

VENUE: RP ACE @ Paya Lebar

This programme will equip you with the requisite concepts and theories that underpin Artificial Intelligence (AI), as well as relevant practical skills and knowledge for developing AI solutions. You will undertake practicum and projects in AI, such as application of recommender systems, virtual assistants, pattern recognition, and anomaly detection.

For participants who opt for the Work-Study Post-Diploma (WSPostDip), you will enjoy additional benefits such as sign-on incentive with full-time employment, assigned company mentor, well-structured training, and career advancement opportunities.

Upon completion of the programme, you will be awarded a Specialist Diploma in Applied Artificial Intelligence.

## COURSE STRUCTURE

### 2 POST-DIPLOMA CERTIFICATES (PDCs)

- Fundamentals of Artificial Intelligence
  - i. Math for Machine Learning
  - ii. Introduction to Programming
  - iii. Introduction to Data Management for Machine Learning
  - iv. Machine Learning Fundamentals
- Applications of Artificial Intelligence
  - i. Pattern Recognition and Anomaly Detection
  - ii. Recommender Systems
  - iii. Virtual Assistants
  - iv. Capstone Project\*

The programme includes self-learning hours in the form of e-learning, assessments, case studies, and revision.

\*For Non-WSPostDip: Project is RP-based.

For WSPostDip: Project is company-based on-the-job training.

## CAREER OPPORTUNITIES

AI Engineer | Application Developer | Machine Learning Engineer



## ENTRY REQUIREMENT

### SPECIALIST DIPLOMA

Applicants should possess a relevant local polytechnic Diploma or Degree in Information Technology or Computer Science from a recognised institution with at least two years of relevant work experience.

If you do not possess the above qualification, your applications will be reviewed on a case-by-case basis.



Scan the QR Code to find out more about the course

### WSPOSTDIP

Applicants (Singapore Citizens or Permanent Residents) who want to pursue the course under WSPostDip must be either:

- Polytechnic graduates from relevant courses (within three years of their graduation date or completion of National Service) who are selected for hiring by WSPostDip-participating companies;

OR

- Current employees who have graduated from polytechnic for more than three years but within five years from date of graduation or completion of National Service

Admission will be reviewed and approved on a case-by-case basis.



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“ My motivation for signing up for this course is to have a sense of how AI has progressed all these years. This course has given me the opportunity to be up to date on the emerging trends – chatbots, recommender systems, Raspberry Pi, pattern recognition, machine learning algorithms, and more – which I really enjoyed, although it's tough having to balance work-family-education commitments. I am therefore grateful to all the lecturers for their time spent running this course. ”

- Mr Andrew Tan, Graduate of Specialist Diploma in Applied Artificial Intelligence