

Course Code: TGS-2020504974

WSQ - Practical Reinforcement Learning for Beginners

Funding Available: WSQ SkillsFuture Credit PSEA UTAP SFEC Absentee Payroll MCES

COURSE INFORMATION

Sessions
2 days

Duration
16 hrs

Level
Beginner

Assessment
2 hrs

VENUE

12 Woodlands Square #07-85/86/87 Woods Square Tower 1, Singapore 737715. 5 mins walk from Woodlands (NS9) MRT station.

The venue is disabled-friendly.

WHAT'S THIS COURSE ABOUT

Topic 1: Introduction to Reinforcement Learning

What is Reinforcement Learning (RL)?

Markov Decision Process (MDP) and RL

Applications of RL

RL Algorithms Classifications

Topic 2: OpenAI Gym

What is OpenAI Gym

Install OpenAI Gym

OpenAI Gym Operations

Topic 3: Value Based Q-Learning

What is Q-Learning

Q Value and Q-Table

Bellman Equation

Q-Learning Algorithm

Epsilon Greedy Explore-Exploit Strategy

On-Policy vs Off-Policy Learning

What is SARSA?

SARSA Algorithm

Topic 4: Policy-Based...

WSQ FUNDING

Full Fee S\$750.00 Before GST

GST S\$67.50 9% of fee

Baseline Nett S\$442.50 SG/PR age 21+ · 50% funded · incl. GST

MCES / SME Nett S\$292.50 SG age 40+ · 70% funded · incl. GST

CERTIFICATION

- **Certificate of Completion from Tertiary Infotech** - Upon meeting at least 75% attendance and passing the assessment(s), participants will receive a Certificate of Completion from Tertiary Infotech.
- **OpenCerts from SkillsFuture Singapore** - After passing the assessment(s) and achieving at least 75% attendance, participants will receive an OpenCert (aka Statement of Achievement) from SkillsFuture Singapore, certifying that they have achieved the Competency Standard(s) in the above Skills Framework.

REGISTRATION

<https://www.tertiarycourses.com.sg/wsqa-practical-reinforcement-learning-for-beginners.html>



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SUPPORT

Email: sales@tertiarycourses.com.sg

Tel: +65 6100 0613

WhatsApp: <https://wa.me/6588666375>