Temasek POLYTECHNIC

JOB DESCRIPTION (Career Kickstarter)

Designation	Learning Package Developer (TP Career Kickstarter)
School/Department	School of Informatics & IT / Big Data Analytics (BDA)
Number of Positions	1
Duration of Role	9 months

KEY RESPONSIBILITIES

- Create learning packages
- Design and develop practice questions and solutions
- Develop and curate e-learning materials
- Collaborate with the course development team to create engaging and high-quality learning experiences for students
- Support the conversion of Python-based EdTech packages into scalable and user-friendly web applications
- Assist with school-related events

PREREQUISITES

- Strong understanding of Number Systems: Binary, decimal, hexadecimal, or basic knowledge of immersive media and game development (e.g., game design, programming, UI/UX fundamentals)
- Strong interest in content development and instructional design
- Familiarity with creating eLearning materials: Quizzes, interactive content
- Ability to design practice questions that assess knowledge and application of concepts
- Proficiency in Python (with a focus on backend development)
- Experience in web application development: Front-end (HTML, CSS, JavaScript) and back-end (Django, Flask, etc.)
- Understanding of web development best practices and performance optimisation
- Willingness to learn Brightspace integration: Brightspace's API, SCORM, and LTI (Learning Tools Interoperability) Integration
- Ability to work with REST APIs for integrating different modules and features
- Strong interest in EdTech and understanding of its applications in learning technologies
- Strong problem-solving and debugging skills
- Ability to work in an agile development environment
- Strong written communication and presentation skills