

## **STUDENT PROFILE**

### **DIPLOMA IN INFORMATION TECHNOLOGY (DIT)**

Diploma in Information Technology (DIT) equips students with the core knowledge and competency in development IT applications, problem solving and communication skills.

Students of the DIT course are from one of the following options:

- a) Information Systems (IS) Option
- b) Hospitality and Tourism (HOT) Option
- c) Enterprise Systems (ES) Option
- d) Game Development (GD) Option

Students in the **Information Systems (IS) Option** are trained in the design and development of IT applications systems. Students have good exposure to Web Design, Web Services, Java technology and Microsoft .NET technology. These students can be engaged in the development of web-based, desktop or multi-platform solutions.

Students in the **Hospitality and Tourism (HOT) Option** are trained in design and development of IT applications systems. Students have good exposure to Web Design and Microsoft .NET technology. In addition to IT development skills, HOT students have a good knowledge on the operation and management of IT applications systems for the Hospitality and Tourism industry and are exposed to applications such as customer relationship management, property management systems, Point of Sales systems and call accounting software.

Students in the **Enterprise Systems (ES) Option** are trained in the design and development of IT applications systems. Students have good exposure to Web Design, Java technology and Microsoft .NET technology. In addition to IT development skills, students have a good knowledge on business processes, customer relationship management and are exposed to ERP solutions including SAP ERP and Microsoft Dynamic NAV.

Students in the **Game Development (GD) Option** are trained in the design and development of interactive digital games. Students specialise in programming for various platforms by leveraging on programming languages such as C++, C#, Java, Python, and tools such as DirectX, XNA Game Studio, Unreal Engine, 3D Studio Max and Flash. Besides programming skills, students benefit from a thorough understanding and working practice of Artificial Intelligence, Physics and Interactive Computer Graphics.