

SCHOOL OF COMPUTING

PROFILE OF STUDENTS AVAILABLE FOR INTERNSHIP

Students from the following diploma courses are available for Internship:

- Diploma in Business Information Technology (**DBIT**)
- Diploma in Infocomm Security Management (**DISM**)
- Diploma in Information Technology (**DIT**)

DBIT STUDENTS

The DBIT curriculum is designed to equip students with a strong foundation in both business and IT skills, with emphasis in four key domains: Web and Mobile Applications Development, Social Media, Business Analytics and Technopreneurship.

DBIT students are trained in the following skill-sets:

1. Designing and developing responsive websites
2. Enhancing web design and usability with user research, wire framing and prototyping
3. Developing web applications using Angular and NODE JS
4. Developing cross-platform mobile apps
5. Creating and managing social media marketing campaigns
6. Analysing social media sentiments using social media analytics and text mining tools
7. Improving web performance using tools such as Google Analytics
8. Creating business dashboards and analysing business data using Business Analytics tools
9. Performing IT requirements analysis & systems design
10. Assisting in managing and coordinating IT projects
11. Assisting in developing marketing, branding and business plans/models for technology products and services.

DISM STUDENTS

The Diploma in Infocomm Security Management (DISM) course equips students with the knowledge and skills to prevent, detect, respond and manage security threats and also trains them in programming, web and systems development, and database management. This holistic and comprehensive course provides the breadth and depth of an education necessary for future infocomm security professionals.

Students from the DISM course are trained in the following types of skills/knowledge:

- Analyse security threats in areas such as application, network, and Internet security;
- Propose counter measures against security threats;
- Perform penetration tests;
- Design and secure databases;
- Perform Microsoft and Linux server administration;
- Develop applications using Java, C and Python;
- Develop Web applications using Java Server Pages (JSP), Web Services and web-related technologies such as HTML/DHTML, XML and JavaScript; and
- Understand computer law and investigation.

In general, the DISM course prepares students to take on jobs such as IT Security Analyst, Security Consultants, Security / System Administrators or IT Auditors as well as secure web and mobile application developers & analysts.

DIT STUDENTS

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

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

- a) Solutions Development (SD) Option**
- b) Game Development (GD) Option***

Solutions Development (SD) Option equips students with technical competencies to lead, design and develop IT solutions. Students from SD options are trained with the skill-sets to develop a wide range of IT applications, which include distributed application, web application, and mobile applications. In addition, the SD curriculum includes necessary business knowledge, and teamwork & communication skills. Therefore, students are well equipped with the knowledge and skills to integrate information technology solutions and business process to meet the information needs of business and enterprise.

***Game Development (GD) Option** students are trained in the design and development of interactive digital games and simulations. Students specialise in programming for a range of platforms, in languages such as C++, C#, Java and using tools such as Visual Studio, OpenGL Unity Engine as well as AR/VR technology. Besides programming skills, students have a thorough understanding and working practice of Artificial Intelligence, Physics and Interactive Computer Graphics in the area of 3D simulations and games.

*Students from this option will only be available for Internship in Semester 2.

Note:

Allowance for Students

- A **minimum monthly allowance of \$600** should be provided to each student during his or her Internship with you.
- The allowance paid to students under this programme are exempted from Central Provident Fund (CPF) Board contributions and Skills Development Fund Levy.
- Students will be allocated based on the relevance of the proposed project to their course of study with the relevant skillsets. Priority for Internship placements will be given to companies that may offer employment to our students after the Internship.