

Diploma (Specialized in Computing and Information Technology)

OVERVIEW

This Diploma is an initial qualification and solid foundation preparation for students who are aiming to embark in Computing and Information Technology. It is also focus to gives students the flexibility they need to explore various aspect of computing and information technology world.

PROGRAMME OBJECTIVES:

This programme aims to equip students with knowledge, understanding and skills for success in employment in the computing and information technology world. It is a combination of academic skills and content-specific modules, providing an introductory grounding and opportunities for students identified and explore in detail topics and additional knowledge to excel in the workplace, and confidence and support a career change or get ready progress to Specialist Diploma in Computing and Information Technology in GSTM.

ASSESSMENT METHODS:

Combination of Coursework & Examination

DURATION COMPONENTS:

Classroom Training Hours: 30 Hours Per Module

MODULE SYNOPSIS:

DS301 Business Communication and Report Writing

The module is intended to develop language skills (writing, speaking, listening and reading), research, organisational, argumentative and study skills. Students will have opportunities to apply their newly acquired language skills in small and larger group settings and in creating effective documents appropriate to different business contexts.

DS302 Business Studies

The module is introducing the basic knowledge of the business environment and prepares students to analyse, manage, evaluate and respond to changes which affect business. It also provides different perspective aspects of the business environment and is influenced by social, political, legal and economic forces.

DS303 Economics

The module is introducing the importance of economics in the business environment, including the economics concepts, theories and analytical techniques. Students are exposed to microeconomics and macroeconomics issues and understanding the impact of economics and economic theory.

DS316 Exploring the Digital Society and Culture

The module introduces students systematically to the developments and implications of digital technologies on contemporary culture and society in Singapore and Worldwide. The module aims to examine the potential of digital technologies to reshape different sectors.

NUMBER OF MODULES:

6

PROGRAMME OUTCOMES:

Upon completion of the programme, the learners will be able to:

- develop an understanding of the fundamental concepts in computing and information technology
- develop an excellent analytical ability in computing and information technology
- improve communication skills
- demonstrate interpersonal, self-study, research and presentation skills through the course
- have adequate preparation for their careers or further studies in computing and information technology area.

AWARDING BODIES:

Global School of Technology and Management

TOTAL CONTACT HOURS:

180

DS314 Information Technology and Innovation

Technology has changed our lives today, and the reason for the changes was technological development itself. Over the year, there is an evident need for creativity and innovation to stay in front of others. Technologies of the new era are surrounded by data and are changing the business and market dynamics. Technology now ranks as the number-one factor impacting organisations, it revolutionising products, operations and business models.

The module aims to provides students with an insight into current and future technology trend and fundamental of information technology (IT) skills necessary in the IT world. It equips students with different areas of information technology and the ability to manage information and solve daily life problems. Students will acquire basic web design and development skills, Algorithm, Javascript, and creating a database.

DS317 Law and Ethics of Information Technology

The module focuses on examining the law and ethical issues in the use of Information Technology (IT). The module will adopt the holistic approach through discussion of different case studies aims to help students to become a scientifically and technologically equipped and responsible individual and citizen.