

Proposal of Hong Kong Software Technology Institute (HKSTI)

Introduction

Hong Kong Software Technology Institute (HKSTI) is a tertiary education institute providing educational opportunities to secondary school graduate who strive to commit their career in software technology. The objectives of HKSTI are to:

- Develop quality software professionals for Hong Kong.
- Provide students solid foundation for their continuous development so as to cope with the ever and rapid changing software technology.

Target and Entrance Requirements

Secondary school graduate who are

- with passes in Chinese, English, Mathematics; and
- preferably with pass in Additional Mathematics, Physics, Computer Studies, Pure Mathematics

Course Structure

- A two-year program.
- Operated in Credit Based system.
- Linked up with the Bachelor Degree programmes of universities by which the graduates can continue their education.
- Program will be focus on the software engineering methodologies, programming and database tools. Its structure consists of core and elective courses.
- The core courses aim to provide a foundation to all students in which it concerns with systematic thinking, analytical mind, problem solving attitude of students. Students are required to practice their software technology knowledge through some practical works, may be with some products as well.
- The elective subjects are structured in streams or in specific trade skills (e.g. Certified Java Programmer) from which students can choose according to their interest.
- A co-opt mode of study, that is
 - students are sponsored by some multi-national companies; or
 - students are required to take internship in these companies after the first year of study. This placement arrangement is co-supervised by the supervisor of the STI and the sponsor

company.

- Student-Staff Ratio is 10:1

Professional Recognition

The course will seek accreditation by professional bodies like the HKIE Information Technology Discipline.

Academic Staff

- All academic staff should possess Masters or above degree and prefer with relevant industrial experience.
- All academic staff are required to work on applied / down-stream research projects, preferable cooperating with the sponsor companies, so as to ensure their knowledge are at the edge of technology.

Financial Arrangement

The government provides seed money to the STI. (Like the case of Open University) These include the campus, the initial set up cost and operation cost. Multi-national companies are invited to co-vest, such as provide sponsorship or participate internship programme, in running this Institute.