TDP Modules for the School of Computing

These modules are designed specially for TDP students. The subject matter of these TDP modules follow closely those of the corresponding modules with the same course number in the School of Computing curriculum (eg: TDCS1102 and CS1102).

However, the mode of teaching and learning will be quite different for TDP modules -- emphasizing greater reliance on independent study on the part of the students and a more interactive self-learning style. Students taking TDP modules may attend lectures for the corresponding regular module - this practice is encouraged, but not compulsory. Where appropriate, students taking TDP modules will be assigned more independent reading to be presented and discussed during special recitation hours. To suitably challenge and stimulate TDP students, the tutorial and other project assignments for TDP modules may also differ greatly from that of the corresponding regular modules.

To reflect this greater independence in teaching and learning, the assessment of TDP modules will be based solely on continuous assessment (CA). The general guideline for CA is that it should consist of about 30% for homework, tutorial and/or class-participation, about 30% for independent project work and 40% for term-tests, and/or quizzes.

Proposed TDP Modules

- **TDCS1102 Data Structures and Algorithms (4 MC)**
  This TDP module covers similar material as CS1102 Data Structures and Algorithms. It will be taught differently, emphasizing a *more independent and interactive self-learning style* on the part of the student.

- **TDCS2103 Software Design Methodology (5 MC)**
  This TDP module covers similar material as CS2103S Software Design Methodology. It will be taught differently, emphasizing *a more independent and student project-based learning style* on the part of the student. TDP students will learn more on their own and will apply these in a group project.

- **TDCS3230 Design and Analysis of Algorithms (3 MC)**
  Course material similar to CS3230 Design and Analysis of Algorithms

- **TDCS3243 Artificial Intelligence (3 MC)**
  Course material similar to CS3243 Artificial Intelligence

- **TDCS3251 Technology Strategy and Management (3 MC)**
  Course material similar to CS3251 Technology Strategy and Management

- **TDCS3261 IT Marketing (3 MC)**
  Course material similar to CS3261 IT Marketing

Where appropriate, other regular modules can also be offered as TDP modules if there is demand from TDP students and these will be done a case-by-case basis.