Title (Units): **COMP 7080 Postgraduate Seminar (1,0,0)**

Course Aims: (1) To learn the frontier knowledge of IT research and professional development;
(2) to broaden students' horizons and inspire innovative ideas in their research areas;
(3) to understand the current IT practice; and
(4) to share their experience with academic scholars and IT professionals.

Prerequisite: Nil

Course Intended Learning Outcomes (CILOs):
Upon successful completion of this course, students should be able to:

No.	Course Intended Learning Outcomes (CILOs)
	Knowledge
1	Explain various IT theories and methodologies, and their application domains
2	Explain the capabilities, strengths, and limitations of the selected IT theories and methodologies
	Skill
3	Differentiate the selected IT theories and algorithms and their relations
	Attitude
4	Develop self-learning capability

Calendar Description: Students are exposed to the current IT research, professional development, and practice via seminars, IT forums, and presentations given by academic scholars, IT professionals, and research students. After completing this course, students will:
(1) learn the frontier knowledge of IT research and professional development;
(2) broaden their mind and inspire innovative ideas in their research areas;
(3) understand the current IT practice; and
(4) share their experience with academic scholars and IT professionals.

Teaching and Learning Activities (TLAs):

CILOs	TLAs
1-4	Participating in seminars, IT forums, and presentations given by academic scholars, IT professionals, and research students.

Assessment:

No.	Assessment Methods	Weighting	CILO to be addressed	Remarks
1	Written Assessment	100%	1-4	Continuous Assessment (100%) with U and S grades. Students are required to participate in the seminars, IT forums, and presentations designated by the Department or endorsed by their respective supervisors. They are required to submit five written reports, which will be assessed by their respective supervisors.

Rubrics:

Satisfactory (S)	• Achieve some of the first three CILOs, with minimal understanding of the associated concepts and underlying methodologies in the selected topics • Demonstrate a basic level of knowledge of the selected topics
Unsatisfactory(F)	• Achieve none of the first three CILOs, with little understanding of the associated

	concepts and underlying methodologies in the selected topics • Knowledge of selected topics falling below the basic minimum level

Learning Outcomes and Weighting:

Content (but not limited to the following)	CILO No.
I. Artificial Intelligence and Machine Learning	1-4
II. Big Data and Data Management	1-4
III. Computer Vision and Pattern Recognition	1-4
IV. Distributed Systems and Networking	1-4
V. IT Practice as Designated in the IT Forum	1, 4

References: Selected articles from journals, conference papers, technical reports, and so forth.

Course Content in Outline:

Topic

The topics will cover the current IT research, development, and practice. The topics are selected from, but are not limited to, the following:

I. Artificial Intelligence and Machine Learning
II Big Data and Data Management
III. Computer Vision and Pattern Recognition
IV. Distributed Systems and Networking
V. IT Practice as Designated in the IT Forum