附表一 MITB 學程簡述及 6 大課程群組說明

Annex A: **SMU MITB Programme Summary**

The SMU MITB Programme is composed of 6 Series of Courses Areas:

i. **Financial Technology (FINTECH)**

Digital Banking & FinTech@

Retail Banking & Mobile Technology

Corporate Banking & Smart Contracts

Financial Markets Systems & Technology

Digital Payments & Innovations

Analytics in Financial Services Analytics@

ii. **Analytics Technology & Applications (ANALYTICS)**

Analytics Framework & Business Context

Data Analytics Lab@

Customer Analytics & Applications

Operations Analytics & Applications

Big Data: Tools & Techniques

Visual Analytics & Applications

Text Analytics & Applications

Social Analytics & Applications

Process Analytics Using Simulation

Data Management

Applied Statistical Analysis with R@

Python for Data Science (w.e.f Aug 2019)

iii. **Artificial Intelligence & Applications (AI)**

Introduction to Artificial Intelligence@

Applied Machine Learning@

Algorithm Design & Implementation^

Deep Learning for Visual Recognition

Smart Assistants for Natural Language Processing

AI Planning and Decision Making

Multi-Agent Systems

AI Translational Research Seminar#

iv. **<u>Information Technology Management (TECH)</u>**

Cybersecurity Technology & Applications

Spreadsheet Modeling for Technology & Operations Decisions[@]

IT Project & Vendor Management

Global Sourcing of Technology & Processes

IoT Technology & Applications

v. **<u>General Management for Technology & Operations (GENERALMGMT)</u>**

Financial Accounting*

Management Accounting for Technology & Operations Managers*

Strategy & Organization

Finance for Technology & Operations Managers

vi. **<u>Practicum</u>**

Capstone Project (2 Credit Units)

Internship (1 or 2 Credit Units)

* refers to half credit unit courses

[@] refers to compulsory courses

[#] Graduation Requirement for AI track students, without credit

[^] Pre-requisite course