**The Hong Kong University of Science and Technology**

**MSc Program in Data-Driven Modeling**

**PHYS 6771 Data-Driven Modeling Seminars and Tutorials**

**Seminar Report Form**

**Note:**

1. Each seminar summary: > 100 words.
2. You can attach your notes taken in the seminar with equivalent word limits (handwritten notes are fine), but do not copy from any existing materials.
3. After each seminar, please submit your form to mscddm@ust.hk or the Program Office at Room 4452.

**Section I. Personal Particulars**

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| Student’s Name: | ZHANG Mingtao | Student ID: | 20989977 |

**Session II. Seminar Report**

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| Date: | 17 November 2023 (Friday) | Time: | Starts at 16:00 HKT |
| Title: | Latest Trends and Opportunities in Data and AI | | |
| Speaker: | Mr. Jerry SHAM, Practice Lead of Data & AI of NCS NEXT, NCS Group Hong Kong | | |
| Summary:  (>100 words) | Need to make tomorrow and our community better  Pace of technology changes has been accelerating over the past 15 years: Facebook, Twitter, WhatsApp, Uber, Instagram, GPT…  Changes from before 2020 to beyond 2020:  Focus: Digital presence and connectivity → Deeper digital integration, Digital-first innovation models  Approach: Consumer-focused → Enterprise and industry-focused  Key technologies: Internet, Smartphones, Social media, E-commerce → AI, Metaverse, Digital Trust, ICT for sustainability  Impactful innovation: ideating, industrializing, harnessing  How to achieve?↓  Make tomorrow Safer, Healthier, Sustainable, Collaborative, Inclusive, Empowered, Human; Engaging, Resilient, Secure, Connected, Simpler, Inspiring  AI and data play a pivotal role in enabling an intelligence driven digital enterprise: Data Architecture, Data Engineering, Gig Data & AI Platforms, Analytics & Insights, Business & Mobility Intelligence, AI Models & Applications.  Define: build your strategic and technical blueprint  Ignite: spark and accelerate your innovation  Realise: optimise your data analytics application | | |
| The question you/your classmate asked that inspired you the most in the seminar:   1. What do students require most in order to become competitive? 2. How to balance the speed(size) and requirements about models?   Speaker's answer to the above question:   1. Academic result, or can prove that you have the required knowledge.      1. Find small models first, then do test depending on data and train a larger model. Make several optimizations and give the best answer. | | | |
| Attachments: \_\_\_\_ pages (if any, for example, handwritten summaries) | | | |

**Session III. For the Program Office of MSc in Data-Driven Modeling Use Only**

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| Submission Date: |  | | |
| Verified by: |  | Verified date: |  |