Institute of Systems Science

National University of Singapore

GRADUATE CERTIFICATE
INTELLIGENT REASONING SYSTEMS

Workshop Project Guide

Subject: Reasoning Systems

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1. Workshop 5 – Hybrid Reasoning Systems

1.1. Project Submission [<mark>EEP & MTech Stackable</mark>]

WORKSHOP CREATE HYBRID REASONING SYSTEM   EEP & MTech Stackable

- **Individual Project** Submission due **5pm** last lecture date
  - Prepare project deliverables, e.g. export enhanced system: **Cloud Balancing**; Update Github repository; Upload zip file to LumiNUS
  - For submission, refer to <u>Project Submission Template</u>

1) Continue to complete all workshops;

2) Refer to Annex 3 to organize all project deliverables for Github submission (Use correct repository naming convention);

3) Download Github project repository as **xxx.zip file**;

4) Create one text file: **link.txt** with web link of your project Github repo;

5) Before **deadline**, upload **xxx.zip file** and **link.txt** to the appropriate **Project Submission** folder in LumiNUS;

☺ **Congratulations!**

You have completed today's challenging workshop!

1.2. Project Submission [MTech Thru-Train]

WORKSHOP CREATE HYBRID REASONING SYSTEM   MTech Thru-Train

- **Group Project Submission** before due date
  - Continue to integrate, test, and deploy hybrid system components
  - Deliver final intelligent system as minimum viable product (MVP)
  - Prepare project report; user guide; system demo cases; video presentation;
  - For submission, refer to Project Submission Template

☺ **Candidate Hybrid Airport Gate Assignment System (HAGAS); etc;**

HAGAS: http://ousar.lib.okayama-u.ac.jp/files/public/4/48534/20160528091554614463/K0004584_honbun.pdf

1) Continue and proceed further from workshop 2 – Hybrid Reasoning System [Group Project] using suitable techniques learnt in this course;

2) Refer to Annex 3 to organize all project deliverables for Github submission (Use correct repository naming convention);

3) Download Github project repository as **xxx.zip file**;

4) Create one text file: **link.txt** with web link of your project Github repo;

5) Before **deadline**, upload **xxx.zip file** and **link.txt** to the appropriate **Project Submission** folder in LumiNUS;

☺ **Congratulations!**

You have completed today's challenging workshop!

We hope you enjoyed the challenging learning and found this course useful!

We also hope to bring your more learning experiences in the near future!

See you soon!

Course Manager / Lecturer

issgz@nus.edu.sg

- Mr. GU Zhan 顾 瞻 (Sam) lectures Master of Technology programme in the areas of data science, machine intelligence, and soft computing. Prior to joining ISS, he was in New Zealand running start-up, delivering artificial intelligence training programs. Sam had also spent many years in financial and engineering sector wearing versatile hats: data scientist, project manager, consultant, system manager and software engineer.

- He devotes himself into pedagogy, and is very passionate in inspiring next generation of artificial intelligence lovers and leaders.

Course Lecturer

isszfm@nus.edu.sg

- Dr. ZHU Fangming is with the Institute of Systems Science of the National University of Singapore (NUS-ISS). He currently lectures in the Master of Technology programme in the areas of evolutionary computation, neural networks and data mining. Prior to joining ISS, he was a postdoctoral fellow in the Department of Electrical and Computer Engineering at NUS. He also worked as a research and development engineer in an IT company before pursuing his PhD studies at NUS. His research interests include evolutionary computation, neural networks, data mining, machine learning, and pattern recognition. Fangming was a recipient of the prestigious Singapore Millennium Foundation (SMF) Postdoctoral Fellowship in 2003. He has also published many papers in leading journals and conferences.

Course Lecturer

issfz@nus.edu.sg

- Ms. FAN Zhen Zhen has been with Institute of Systems Science, NUS, since 2006. She currently lectures in the Master of Technology programme in the areas of case-based reasoning, text mining, KBS development, hybrid KBS, and formal specification. Prior to joining ISS, she was a senior research engineer at the Institute for Infocomm Research working in the areas of machine translation and natural language processing. Her current research interests lie in text mining and computational linguistics.

The End of Workshop Project Guide