Course Syllabus

Programming and Tools for AI

Super AI Engineer Course by AI Association of Thailand

Course	:	Programming and Tools for AI
Credit	:	3 credits
Semester	:	January 2022 – April 2022
Course Outline	:	Python Programming, Linux, Kaggle, Google Colab, GitHub, Microservices and Docker Compose. Docker. Deployment, Cloud Computing
Instructor	:	A. Akanit Kwangkaew (kwangkaew.akanit@jaist.ac.jp) (PEA) A. Kriengkrai jirawongaram (Super AI Engineer) A. Nisit Sirimarnkit (Super AI Engineer) A. Pranpawee lekhaviriyakul (Super AI Engineer) A. Chanchai Junlouchai (chanchai.junlouchai@nectec.or.th) (Super AI Engineer) Dr. Karn Yongsiriwit (karn.y@rsu.ac.th) (Rangsit University) Asst. Prof. Dr. Thannob Aribarg (thannob.a@rsu.ac.th) (Rangsit University) Dr. Taweesup Apiwattanapong (taweesup.apiwattanapong@nectec.or.th) (NECTEC)
Grading	:	Attendance / Quiz 20% Examination 40% On-hand Project 40% Top 20% → 'A'. Bottom 20% and/or students whose score < 30% → 'F'
Quiz	:	Quizzes are randomly conducted in the classes
Projects	:	The project aims to give you experience of deep learning. The project will be classified into individual hackathon projects, small group projects, and big bang group projects.
Course Material	:	http://mooc.aiat.or.th/ https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2020/446598

Schedule:

No.	Topics	Hours
1	Python Programming - 1	3
2	Python Programming - 2	3
3	Python Programming - 3	3
4	Linux - 1	3
5	Linux - 1	3
6	Kaggle	3
7	Google Colab	3
8	GitHub	3
9	Microservices and Docker Compose	3
10	Docker	3
11	Deployment	3
12	Cloud Computing	3
13	Project Workshop 1	10
14	Project Workshop 2	10
15	Project Workshop 3	10
16	Examination	
	Lecture	36
	Workshop	30