		Subject: Artificial Intelligence	
#	Date	Topics	Instructors
1	09-July-2022	Computer Vision Overview - Image Classification with Linear Classifiers - K-nearest neighbor	Kao
2	16-July-2022	NLP#1: Basic Text processing + Corpus Creation -Text proprocessing -Regular Expression -Basic Web Scraping	P'Manow
3	23-July-2022	Image Classification with CNNs - Higher-level representations, image features - Convolution and pooling - Transfer learning	Kao
4	30-July-2022	NLP#2: Basic Text Classification + Sentiment Analysis -Word Tokeniztions -Text Fatures -Logistic Regression -Basic Word Embeddings	P'Manow
5	06-August-2022	Object Detection and Image Segmentation - Single-stage detectors - Two-stage detectors - Semantic/Instance/Panoptic segmentation	Kao
6	13-August-2022	NLP#3: Information Extraction From Texts -Part of Speech Tagging -Name Entity Recognition -Conditional Random Fields	P'Manow
7	20-August-2022	Attention and Transformers - Self-Attention - Transformers	Kao
8	27-August-2022	NLP#4: Basic RNN + Geospatial Display -Text Classification with LSTM , GRU -Geographic Names Extraction from texts -Geographic Names link to map display (Open Street Maps API)	P'Manow
		** Updated lecture slides will be posted here shortly before each lecture through https://github.com/kaopanboonyuen/AIforHighSchool	