

Slot 00 - Course Introduction

Presenter:

Dr. LE Thanh Tung

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Introduction

Lecturer:

- Dr. Lê Thanh Tùng – lttung@fit.hcmus.edu.vn

Teaching Assistants:

- MSc. Nguyễn Trần Duy Minh – ntdminh@fit.hcmus.edu.vn

Time: 13h30 – 16h00

Email: [TextMining] <Nội dung>

Room: I63 (Tuesday, Wednesday, Friday)

Introduction

- **Slot 01:** Introduction & Overview of Machine Learning
- **Slot 02:** Word Embedding
- **Slot 03:** Backprop and Neural Networks
- **Slot 04:** Recurrent Neural Networks and Language Models
- **Slot 05:** Vanishing Gradients, Fancy RNNs, Seq2Seq
- **Slot 06:** Sentence Embedding
- **Slot 07:** Information Retrieval
- **Slot 08:** Prompt Engineering
- **Slot 09:** Visual Question Answering
- **Slot 10:** Seminar

Course Evaluation

- **Group:** 3 – 5 members/group
- **Topic:**
 - Title Generation: Scientific, NEWS (site)
 - Sentiment Analysis (site)
 - OCR Detection of ID
 - Image Captioning
 - Visual Question Answering

Course Evaluation

- **Part 01: Data Collection – 40%**
 - Data Crawling
 - Data Preprocessing
 - Data Annotation
 - Dataset Splitting
 - Data Exploration
 - Metric Evaluation

Course Evaluation

- **Project 02: Text Modeling – 60%**
 - Define the learning problem
 - Train model
 - Evaluate model
 - Model improvement
 - Model Deployment (10% Bonus)

THANK YOU
for YOUR ATTENTION