DS307

SOCIAL DATA ANALYSIS

Lecturer: MSc. Kiet Van Nguyen

Department of Data Science

Faculty of Information Science and Engineering

About me!

❖ Name: Kiet Van Nguyen.

❖ Email: kietnv@uit.edu.vn

❖ Department: Data Science, ISE, UIT.

❖ Topics:

  ❖ Subjects: Java Technology, Methodology of Scientific Research, Social Media Mining, Natural Language Processing, Programming Languages (Java, Python, Prolog, ..), Intro. to Information Technology, …

  ❖ Research Interests: Natural Language Processing and Data Mining.

Why we should learn social media exploring?

❖ Exploring new information & knowledge from social media data

❖ Influencing various fields

❖ Lots of professional opportunities

❖ …

Objectives of Our Course

❖ **G1:** Understanding analyzing and processing social media data

❖ **G2:** Understanding the process of social media exploring: from research to application.

❖ **G3:** Understanding, analysis, methods, experiments and evaluation on several studies: social media text mining, information retrieval, information extraction, and web mining.

❖ **G4:** Writing a research proposal on social media data for business purpose.

❖ **G5:** Team working.

Evaluation

❖ **<u>Progress</u>: 20%.**
- Attendance.
- Paper reading and presentation
- Listening, respecting lecturers and friends and debating peacefully.

❖ **<u>Final examination</u>: 80%**
- Project.
  - ✓ Writing report: 50%
  - ✓ Presentation: 50%

This course's contents

❖ **Chapter 1:** Introduction to Social Media Analysis

❖ **Chapter 2:** Web Mining

❖ **Chapter 3:** Opinion Mining

❖ **Chapter 4:** Information Retrieval

❖ **Chapter 5:** Information Extraction

❖ **Seminar:** Final Project Presentation

Tasks

❖ **Two main tasks:**

  ▪ Paper reading and presentation

  ▪ Final projects

❖ **Group:** 5 students

❖ **Beginning:** 3rd week

❖ **Requnirements:**

  ▪ Students must have progress report

  ▪ Implementing a project.

Contact me!

❖ **If you have any problem in your learning process and in your project, please feel free to contact me:**

- ▪ **Room:** 10.2, 10th Floor, Block E, UIT.
- ▪ **Time: 9h30 – 10h30**, Tuesday.
- ▪ **Note:** Please notify your meeting with me before at least 01 day.

Q&A

Thank you!