**C S 519 Applied Machine Learning I**

# Mini project

# Requirements

Design a question-answering (QA) prototype for the computer science (CS) department.

The front desk of CS department often needs to answer many routine questions. In this project, you are asked to design a QA prototype for the CS department to answer questions related to graduate study. For this prototype system, a student can input his/her question through a simple web interface. After a student inputs his/her question, he is supposed to get some candidate answers to his questions.

The candidate answers of the questions can be found from

<https://computerscience.nmsu.edu/grad-students/prospective-graduates.html#FAQs>

<https://computerscience.nmsu.edu/grad-students/graduate-student-faq.html>

To work on this project, you can utilize text analysis techniques to process the text data. You can also use classification approaches to match the questions to the possible answers. You can also use other machine learning techniques that you see appropriate.

**Submission**:

* A github repository consisting of (1) a report with 2-5 pages, (2) source code, (3) cleaned data, and (4) good readme file.
* A runnable prototype.

Please email the link to your github repository to the instructor before the deadline.

During the final week, please show the runnable prototype to the instructor.

**Deadline**: 11:59pm Friday before the final’s week.