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Request for Special Problems Course

Submission of this completed form constitutes an enrollment form for a Special Problems course.

Student Name: Xiangyang Xu	Student Identification No.: 10444509		
Term: □ Fall □ Winter □ Spring □ Summer I □ Summer II Year: 20 20			
Course Number (include subject prefix): AAI800	redits: 3.0		
Title of Problem: A mobile app that collects and displays daily COVID-19 and flu cases.			
Brief description of the Problem: This project develops a mobile app that collect a	nd displays daily COVID-19 and flu cases in a sed to project the trend and provide safety advice.		
Either Android or IOS platform programming is p	referred.		
Describe how this project will contribute to your educational deverage. This will be my first time applying machine learning ability to apply machine learning knowledge.	ing knowledge to a mobile app. This will improve my		
Rubric for Grading (Instructor): See at	taehment		
Approval Signatures: Xiangyang Xu	Digitally signed by Xiangyang Xu Date: 2020.05.21 16:42:30 -04'00'		
STUDENT MIN SONG Shockey IV INSTRUCTOR (Print and Sigh)	Digitally signed by Shucheng Yu Date: 2020.05.21 17:01:47 04'00 DATE DATE		
MW SONG DEPARTMENT DIRECTOR	SUS 000 5/22/20 DATE		
DEAN OF GRADUATE ACADEMICS (Not needed for SYS and FE Special Programme)	roblems) DATE		

AAI/CPE/EE 800A Syllabus Fall 2020

Min Song

The AAI/CPE/EE 800A course is a research course designed for master's students to solve a specific challenging research problem in the fields of Electrical Engineering, Computer Engineering, and Applied Artificial Intelligence. It is not a course designed for students to learn a particular language, architecture, algorithm, or model.

Below are the details about the course:

- Students are required to identify a challenging research problem and discuss the problem with their project advisors. Depending on the scale of the problem, the project advisor may decide it's an individual work or teamwork.
- Each student must work on the project at least 10 hours a week. Notice that students taking the EE/CPE/AAI 800 class also **need to register EE 820A** and attend all the seminar talks.
- Students meet their project advisors on a weekly basis to discuss the research and make weekly progress.
- Prof. Min Song is the course coordinator. His office hours are Fridays, 3:00 5:00 PM. His
 email address is msong6@stevens.edu. Students are expected to meet Prof. Song on a
 regular basis to discuss the project progress.
- In the middle of the semester, students are required to submit a mid-stage project report. During the final exam week, students are required to write a comprehensive report and develop a poster. The submitted report and poster will be jointly graded by the research advisor and Prof. Min Song.

Below are the critical components of the comprehensive report:

- Problem introduction, challenges, and related work (Section 1)
- Formal definition and/or formulation of the problem (Section 2)
- Description of the solutions and/or designs (Section 3)
- Numerical results and analysis and/or system demonstration (Section 4)
- Conclusions (Section 5)
- References (Section 6)

Here is grading procedures:

•	Mid-stage report	5%
•	Sections 1 and 2 of the final report	20%
•	Section 3 of the final report	30%
•	Section 4 of the final report	20%
•	Sections 5 and 6 of the final report	5%
•	Poster design	5%
•	Meetings and discussions	15%