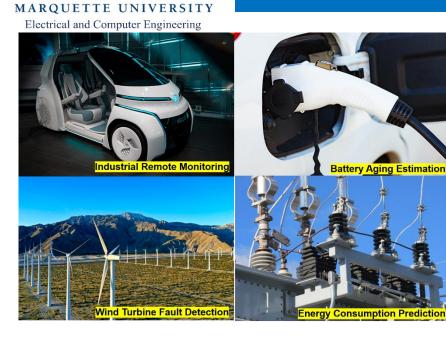


COEN 4890/EECE 5890 Spring 2024 Developments in Computing: Applications of Artificial Intelligence and Natural Language Processing



- Define AI application scenarios according to their industrial, analytic, and business functions
- Identify appropriate solutions based on AI case studies
- Recognize how industry developers format AI code
- Applicable to Systems Engineering Certificate
- Applicable to Machine Learning Certificate
- COEN Majors, course counts as a depth-only elective in Intelligent Systems
- ELEN Majors, course counts as a depth-only elective in Computer HW/SW
- Student Feedback
 - -Very flexible course!
 - -Can learn how to apply ML, AI, and NLP for industry use!
 - -Walkthrough, and explanation for all coding!

Instructor:

Dr. Priya Deshpande, EECE, Marquette University.



COURSE FORMAT

- Asynchronous Online Lecture
- Active Discussion and Q&A Forums in D2L Led by Instructor
- Hands-on Coding Lab and Projects with Real Industry Data

PROJECT EXAMPLES

- Predictive Analysis
 - Breast Cancer Detection and Prediction
- Virtual Metrology
 - Planarization of Semiconductor Wafers
- Energy Management
 - ▲ Facility Energy Consumption Prediction
- Machine Vision
 - Quality Inspection of Steel Components
- Scheduling Optimization
 - Flexible Job-shop
 Scheduling

Or Propose Your Own Topic