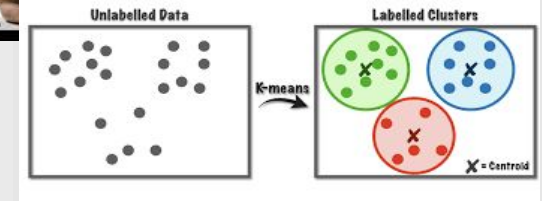
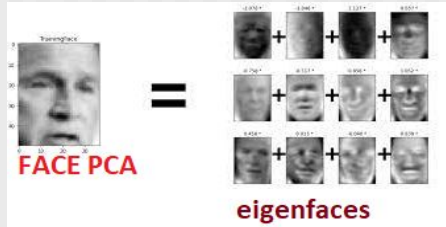
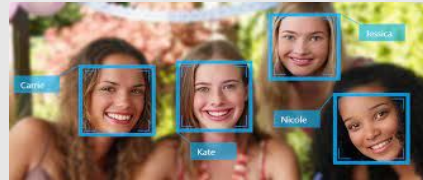
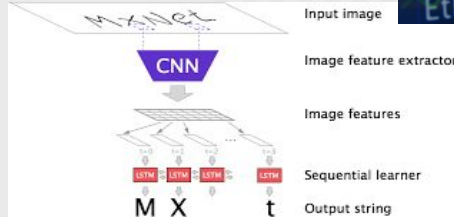
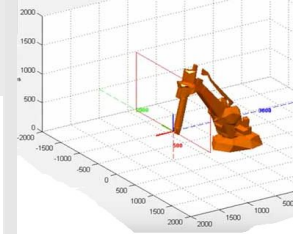
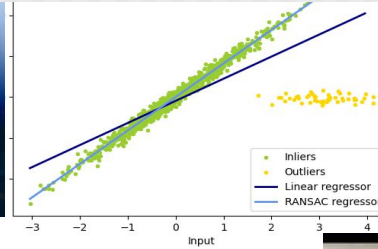


Machine Learning Course Overview. CPE 393. MEE 673.

Suthep Madarasm, Ph.D. (พีโวจัก)



Go to Course Outline



Machine Learning for Data Science and AI (2/2023)

CPE 393. MEE 673.

King Mongkut's University of Technology, Thonburi

Instructor: Suthep “Jogie / โจ๊ก” Madarasmi, Ph.D. suthepmail@gmail.com

Time: *Lecture:* Saturdays 13:00 - 16:00. Room 1115. Engineering Building.

Lab/Self Study/Projects: Average of 7 hours/week (more if not a strong programmer)

Links: Course LMS: <https://app.leb2.org/class/514766/new-plan> (we use CPE 393 S1)

Facebook for discussions: <https://www.facebook.com/groups/922570172552621>

Instant Messaging / Chats: <https://www.facebook.com/groups/922570172552621/chats>

Course Description. A hands-on approach to introduce students to machine learning (ML) algorithms with the goal of building a foundation for further self-learning in this vast field. Applications of ML in data science, artificial intelligence, and computer vision will be covered. The mathematics used to power each ML algorithm will also be covered so that students have a deep understanding and a strong foundation.



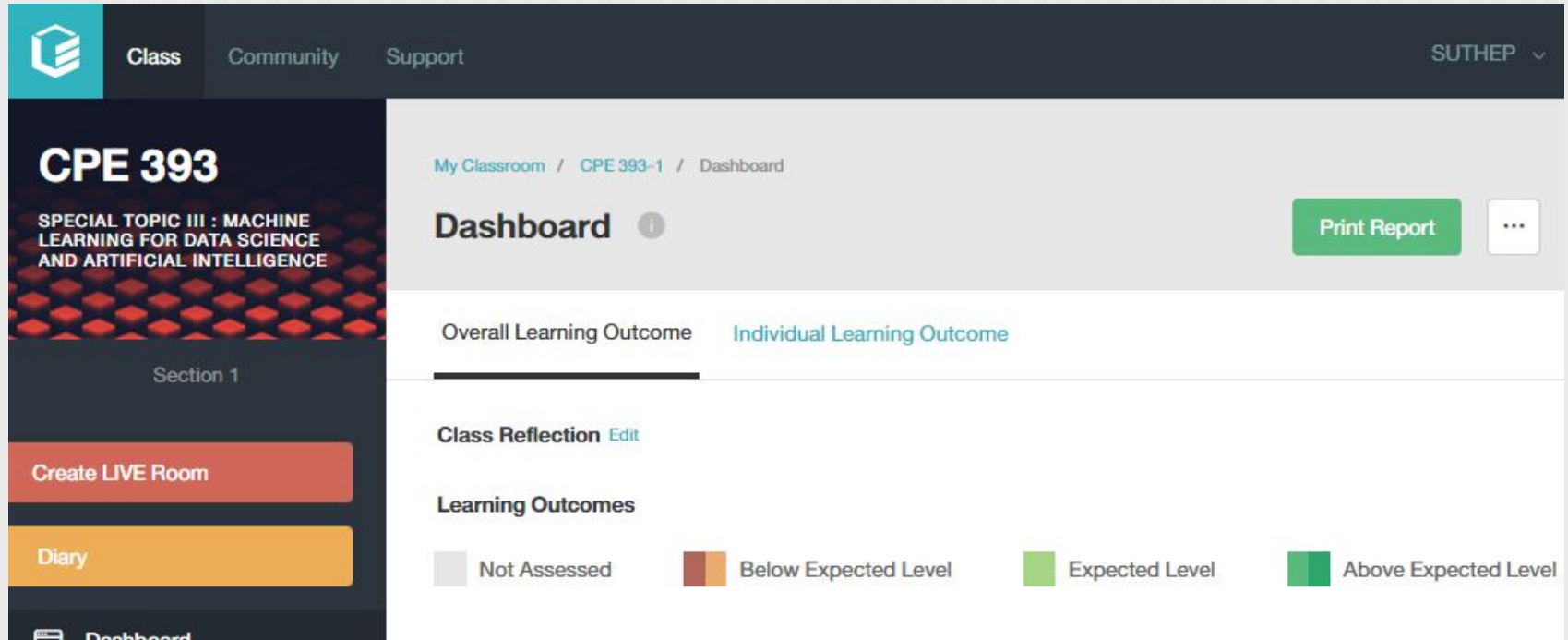
AGREEMENT: MACHINE LEARNING COURSE HONOR CODE

Honor Code ... the code we live by

King Mongkut's University of Technology Thonburi

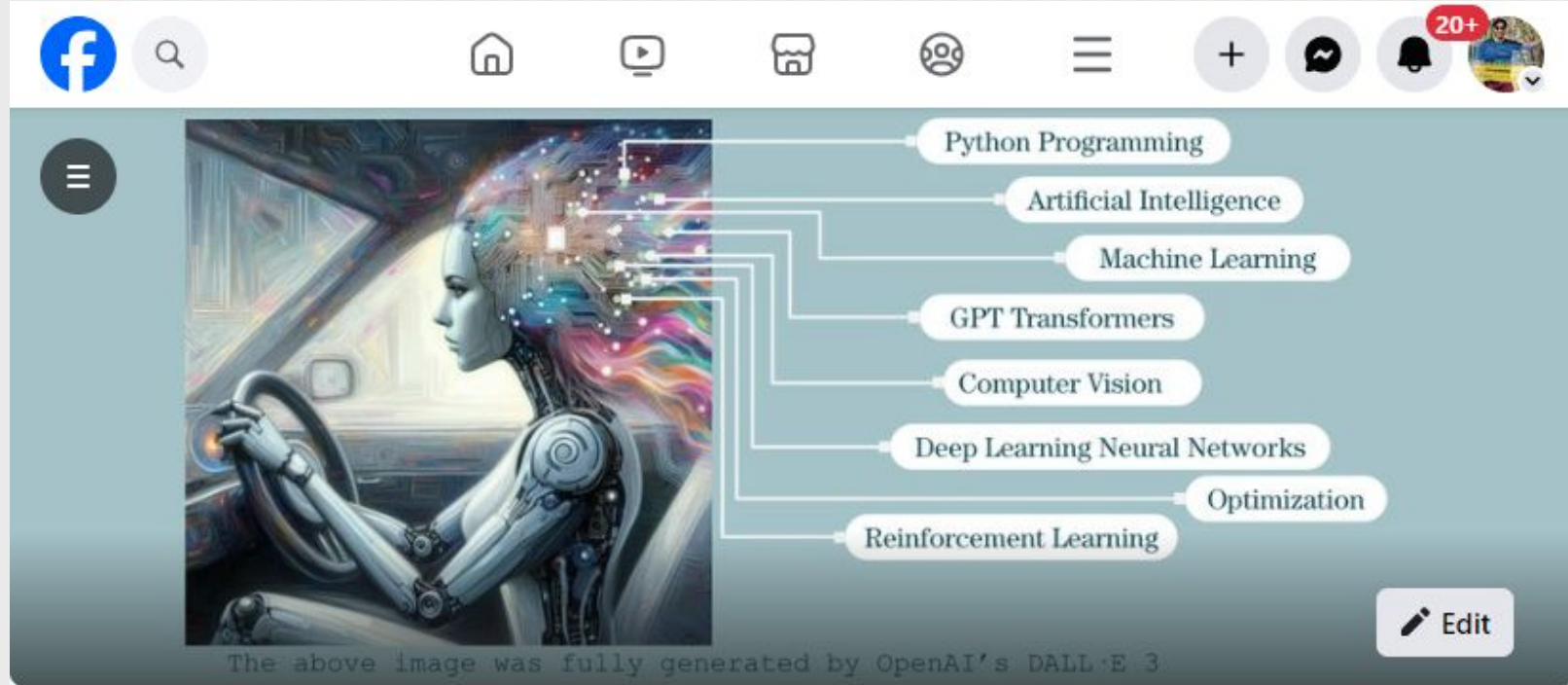
This Machine Learning Course will consist of many assignments and projects which will determine a student's grade. All your work will be done at home. Thus, a student may be able to get someone else to do all of his/her work and yet get a good grade in this course. This would be quite unfair. This is an elective course and only those highly interested should take it. To discourage students from taking advantage of the

Go to Course LMS



The screenshot displays the LMS interface for CPE 393. The top navigation bar includes links for Class, Community, and Support, with a user profile dropdown for SUTHEP. The left sidebar identifies the course as CPE 393, SPECIAL TOPIC III : MACHINE LEARNING FOR DATA SCIENCE AND ARTIFICIAL INTELLIGENCE, and lists options for Section 1, Create LIVE Room, and Diary. The main content area shows the Dashboard with tabs for Overall Learning Outcome and Individual Learning Outcome. It includes a Class Reflection section with an edit link and a Learning Outcomes section with a legend: Not Assessed (grey), Below Expected Level (brown), Expected Level (light green), and Above Expected Level (dark green). A Print Report button and a menu icon are also present.

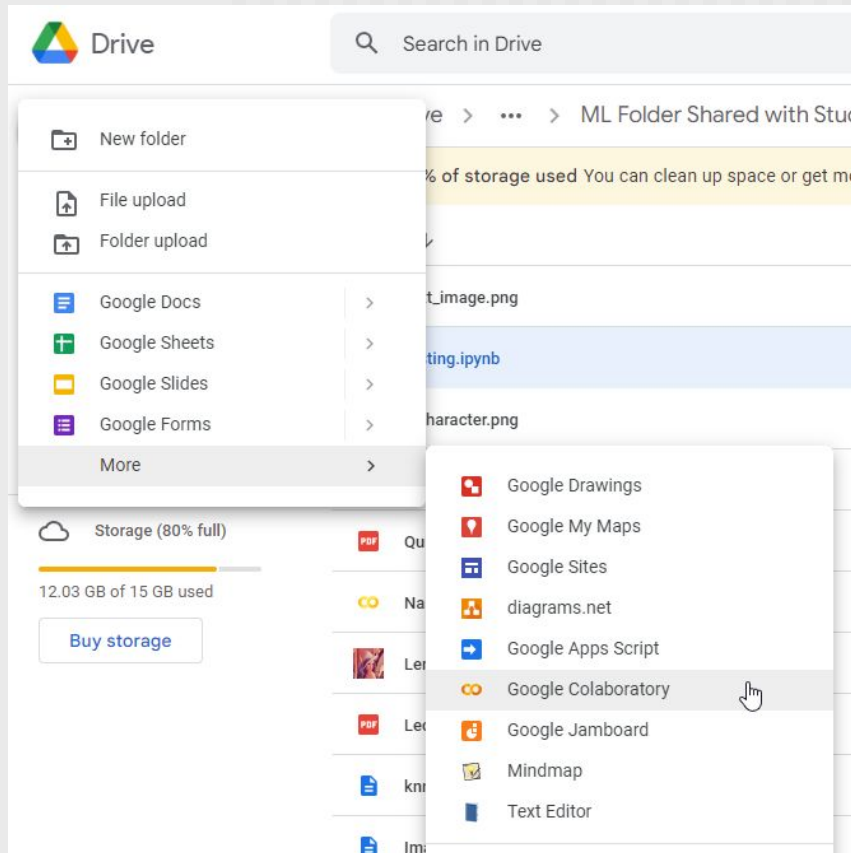
Go to Course Facebook Page



CPE/MEE Machine Learning

Prompt: “Create an abstract painting to illustrate AI and machine learning that has a woman humanoid with electronic circuit for brains in the driver seat of a futuristic car, impressionism.”

Use Google Colab Notebooks to run programs



Google's a free cloud service based on Jupyter Notebooks that supports GPUs all for free.

It has popular ML libraries such as PyTorch, TensorFlow, Keras, and OpenCV.