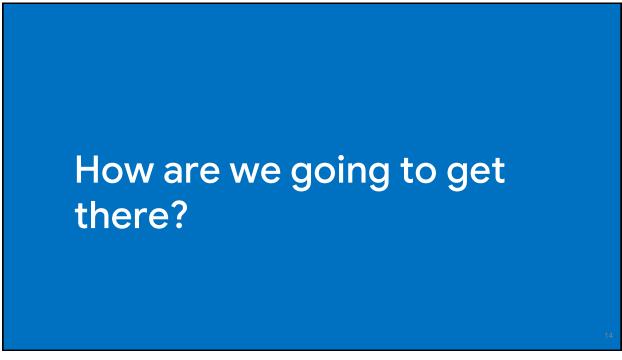
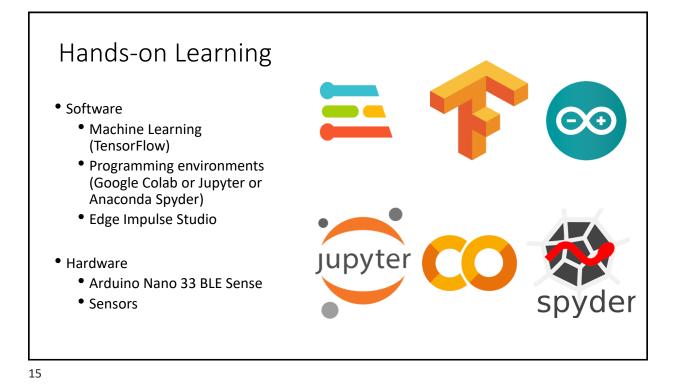
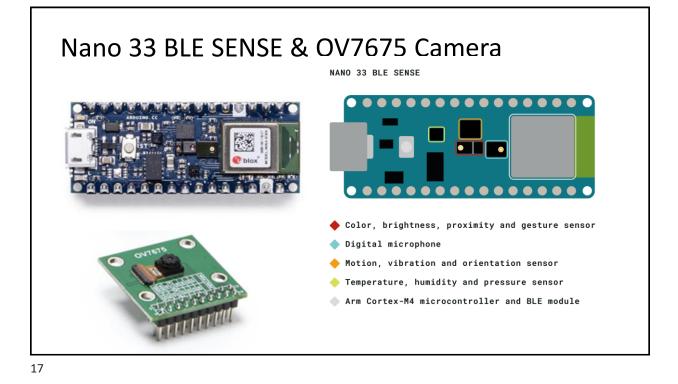


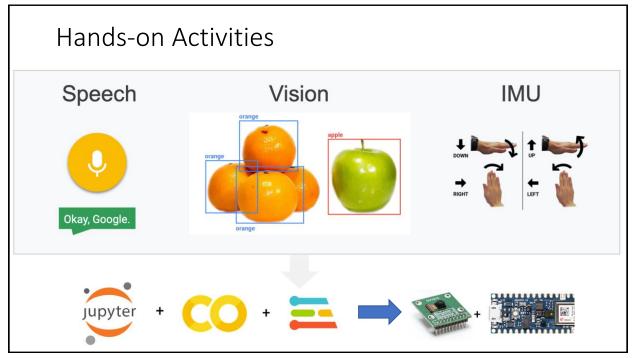
should have the ability to apply TinyML







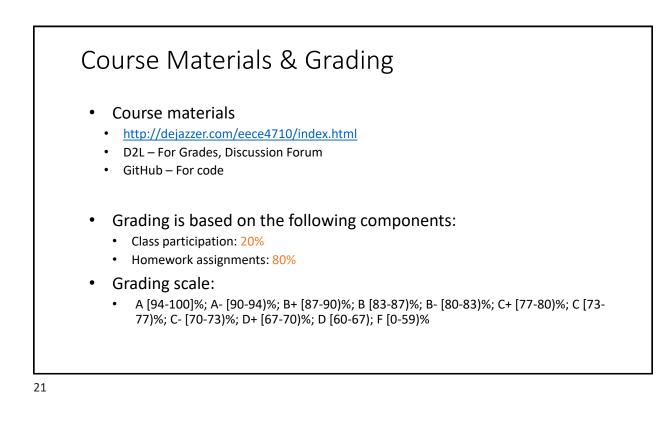




How is the Course Structured?

Course Structure

- Weekly 2 lectures of 1h 15 minutes each (16 weeks)
 - Will cover Slides and,
 - Hands-on coding (teachers & students)
- Weekly Additional Readings
- Assignments
 - Hands-on coding
 - Collect results, plot, interpret
 - Write weekly reports
- Final Project (Groups of 3 or 4 students)
 - Report
 - Presentation
- Guest Presenter*



Credits

- A previous edition of this course was developed in collaboration with Dr. Susan C. Schneider of Marquette University.
- We are very grateful and thank all the following professors, researchers, and practitioners for jump-starting courses on TinyML and for sharing their teaching materials:
- Prof. Marcelo Rovai TinyML Machine Learning for Embedding Devices, UNIFEI
 - https://github.com/Mjrovai/UNIFEI-IESTI01-TinyML-2022.1
- Prof. Vijay Janapa Reddi CS249r: Tiny Machine Learning, Applied Machine Learning on Embedded IoT Devices, Harvard
 - https://sites.google.com/g.harvard.edu/tinyml/home
- Prof. Rahul Mangharam ESE3600: Tiny Machine Learning, Univ. of Pennsylvania

 <u>https://tinyml.seas.upenn.edu/#</u>
- Prof. Brian Plancher Harvard CS249r: Tiny Machine Learning (TinyML), Barnard College, Columbia University
 - https://a2r-lab.org/courses/cs249r_tinyml/

References
 Additional references from where information and other teaching materials were gathered include:
 Applications & Deploy textbook: "TinyML" by Pete Warden, Daniel Situnayake <u>https://www.oreilly.com/library/view/tinyml/9781492052036/</u> Deploy textbook "TinyML Cookbook" by Gian Marco Iodice
 https://github.com/PacktPublishing/TinyML-Cookbook Jason Brownlee https://machinelearningmastery.com/
 TinyMLedu <u>https://tinyml.seas.harvard.edu/</u>
 Professional Certificate in Tiny Machine Learning (TinyML) – edX/Harvard <u>https://www.edx.org/professional-certificate/harvardx-tiny-machine-learning</u> Introduction to Embedded Machine Learning - Coursera/Edge Impulse
 Introduction to Embedded Machine Learning - Coursera/Edge Impulse <u>https://www.coursera.org/learn/introduction-to-embedded-machine-learning</u> Computer Vision with Embedded Machine Learning - Coursera/Edge Impulse
https://www.coursera.org/learn/computer-vision-with-embedded-machine-learning