CWDE328

	Spring. 2023
 Jan, 26 (Thu)	
Organization Meeting	Note: 1° Sillabus is posted on the class github. Also STSUCANVAS
for Deep Learning Class	•
- Il la Shart'	Note: 10 Sillabus is posted on the class
HIADUS, GYEEND NEUT.	github. Also STSU CANVAS
https://github.com/hualili/o	pencv/tree/master/deep-learning-2022s
2023S-100-accessible-CMPE25	08-S23-v7-H
	San José State University
	College of Engineering
-	Computer Engineering Department
	CMPE258-Section 1 Deep Learning
-	S2023
Course and Contact Information	tion
Instructor:	Hua Harry Li, Ph.D.
Office Location:	Engineering Building, Room 267A
Telephone:	Mobile (650) 400-1116 Text message only
Email:	hua.li@sjsu.edu Note: 40. Office Hours, ON -Zoom.
Office Hours:	MW 4:30 -5:30 PM; On-line with Zoom The Office Hours are good for the entire School Semester, e.g. from the 1st day of the Class will the
	On-line with Zoom Consultative School Semester, e.g., Consultative School Semester, e.g., Consultative School Semester, e.g.,
	Join Zoom Meeting https://us04web.zoom.us/j/98416076832 Last day of Lectuve. pwd=UlA3aEk1TnV4biNL0k5C0kw0dDk4UT09 Meeting ID: 984
	p
Class Days/Time:	Tuesdays, Thursdays 4:30 - 5:45 PM Work: Class ON From . Video
Classroom:	Zoom (link to be shared in the SISII amail) a
Crassi oom.	20011 (Tilk to be shared in the 3,30 email) (1665 is required. Have
	your video Chin Keady Dy Wart Session
	Zoom (link to be shared in the SJSU email) Class is required. Have your Video Cam Ready By West Session 3° Afterdame Requirement: Attend Lecture ON-Line is required.
	on-line is required.
	V

Spring 2023 Wate: S. Class github. CANVAS is the only source for All Submissions, induding Homeworks, Thojects, Scan Papers Copies of the course materials such as the syllabus, major assignment handouts, etc. can be found on line at SJSU CANVAS, the same material is also provided at the following yahoo group, see URL below:

https://github.com/hualili/opency/tree/master/deep-learning-2022s https://github.com/hualili/opencv/tree/master/deep-learning-2022s Office hours zoom link: Join Zoom Meeting https://us04web.zoom.us/j/9841607683? pwd=UlA3aEk1TnV4bjNLQk5CQkw0dDk4UT09 Meeting ID: 984 160 7683 Passcode: 121092 Course Description

Noteb. Tre-requiste (MPE 255 DR (MPE 357 is

Negrived.

Deep neural networks and their applications to various problems, e.g., speech relignition, image segmentation, detection and recognition of temporal and spatial patterns, and natural language processing. Covers underlying theory, the range of applications to which it has been applied, and learning from very large data sets. Prerequisite: CMPE 255 or CMPE 257 or instructor consent. Computer Engineering and Software Engineering majors only. Course Learning Outcomes (CLO) Note7: tack Listed below is a good relevence souve. Deep Learning with Python, 1st Edition, by François Chollet, ISBN-13: 978-1617294433, ISBN-10: 9781617294433, https://github.com/hualili/opency/blob/master/IP120-AI-DL/2018F/2018F-6-DeepLearningCh02.pdf Robot Vision by B.K. P. Horn, the MIT press, ISBN 0-262-08159-8, or 0-07-030349-5 (McGraw Reference textbook Learning OpenCV, Computer Vision with the OpenCV Library by Bradski and Kaebler, O'Reilly Publisher, ISBN 978-0-596-51613-0, 2011. - Practical Hand Bok Other Readings OpenCV on line reference: http://docs.opencv.org/index.html OpenGL on line reference (OpenGL programming guide):

ftp://ftp.sgi.com/opengl/contrib/kschwarz/OPEN GL/REFERENCE/OGL PG/oglPG.pdf OpenGL on line reference (OpenGL programming guide): My lecture notes https://github.com/hualili/opency/tree/master/IP120-AI-DL/2018F and https://github.com/hualili/opency/tree/master/deep-learning-2020S References from the Lecture Note Keyword inote" 2022F-101-cmpe258-note-part2-2022-12-6... 1. Python.
2. Or you may choose C++ as an option.
3. OpenCV.

Tensorflow Keras API

Tensorflow Keras API 5. Optional embedded board for assignment and projects: Nvidia Jetson NANO. Submission,

Stand-Alone Python Code for Deployment is Course Requirements and Assignments SJSU classes are designed such that in order to be successful, it is expected that studen white of credit (normally of

of forty-five hours for each unit of credit (normally three hours per unit per week), incl rticinating in course activities, completing assignments, and so on More details abo

CMPEDES Stringzoz3

Inthe	exams, the Deployable, Alone Code is Required.
Stand	Alone Code is required.
Gra Quiz Mid Fina	ding Policy z, Homework, Projects 30% term Examination 30% dl Examination 40% E258 Deep Learning, S2022. Zprojects Team Semester Long Troject Troject Semester Long Troject Trojec
ihe.	
	0-59 F 60-69 D 70-79 C 80-89 B 90-100 A
Clas	ssroom Protocol
From Un	One Week from Today. Will post the Honework Diversity Policy F15-7: QUENNAS. DEFINITIONS OF ACADEMIC DISHONESTY
1.1 San	CHEATING
credi	José State University defines cheating as the act of obtaining credit, attempting to obtain it, or assisting others to obtain credit for academic work through the use of any dishonest, ptive, or fraudulent means. Cheating includes:
1.1.1	Copying, in part or in whole, from another's test or other evaluation instrument, including homework assignments, worksheets, lab reports, essays, summaries, and quizzes;
112	