2025-2026

Welcome to the 2nd Lab session of CO3519 module.

For Two Hours Lab Session:

#	Task	Time	Guidance
1	Please spend 50 Minutes from the second task left from the last week. You can open it from the Week-1 folder with name 'Lab_Session_1_week_1'. (Start with Google Colab) and Python with Numpy and important data types.		
10 Minutes Break			
2	1. Please find five research papers on topic facial emotion recognition. These papers should be based on traditional machine learning (SVM, KNN, NB, etc.). Don't focus on Deep learning/Neural Networks-based methods. 2. The papers need to be added in a table with three columns such that the first column provides the paper reference, second column should be the summary with few sentences describing the method flow/features/classifier, third column should include technique while fourth column show the dataset used in the paper. 3. Also, add a link in separate column showing the GitHub link for the papers.	55 Minutes	You can create a word document.

For One Hour Lab Session:

Task	Time	Guidance
Please perform the 2nd task of working on facial expression recognition papers.	55 Minutes	You can create a word document.
	5 Minutes	Please feel free to ask any question.

Sample for Second task.

Ref	Method summary (few sentences)	technique	Dataset	GitHub Link
[1]	This method first detect face using viola jones algorithm. After features are extracted using ORB features, the classification is done through SVM.	ORB, SVM	MMI dataset, JAFFE dataset, CK+	Add GitHub Link (if available)
	Face detection is done through viola jones algorithm….. Features extraction is performed/done through HoG. SVM/KNN are used for classification	HoG, KNN, SVM	CK+	No code available

[1] Tsai HH, Chang YC. Facial expression recognition using a combination of multiple facial features and support vector machine. Soft Computing. 2018 Jul;22:4389-405.