

G R O U P	FACULTY	PROJECTS		
CS (1-4)	SJ	Short-term electricity load forecasting	Apply RNN, LSTM, GRU & two transformers to forecasting next six month load	https://www.kaggle.com/datasets/ernestojaguilar/shortterm-electricity-load-forecasting-panama/data
COE (1-3)	SJ	Lung Cancer detection		https://www.kaggle.com/datasets/sherazbaloch/lungs-cancer-multi-omics-dataset/data?select=log_mirna
COE (19-21)	SJ	NSE India Stock Data (1990 - 2021)	Next one month price forecasting of stocks using LSTM and Transformer	https://www.kaggle.com/datasets/stoicstatic/india-stock-data-nse-1990-2020/data
COE (11-13)	SJ	Generating Brain MRI Images with DC-GAN	Generate brain images & train model for tumor detection	https://www.kaggle.com/code/harshsingh2209/generating-brain-mri-images-with-dc-gan/notebook
CS (9-12)	RKT	Lumbar Spine Degenerative Classification	Classification of five lumbar spine degenerative conditions using CNN and transfer learning	https://www.kaggle.com/competitions/rsna-2024-lumbar-spine-degenerative-classification

			models	
C OE (25 - 28)	RK T	Heart sound classificat ion	Using CNN & Transf er Learni ng models	https://www.kaggle.com/datasets/bjoernjostein/physionet-challenge-2016
C OE (16 - 18)	RK T	Chest X- Rays of Viral Pneumon ia, Bacterial Pneumon ia, Covid and Tubercul osis	Classificaa tion Using transfer Learning	https://www.kaggle.com/datasets/omkarmanohardalvi/lungs-disease-dataset-4-types
C OE (8- 10)	RK T	Air Polluti on Image Dataset from India and Nepal	Air polluant predicti on	https://www.kaggle.com/datasets/adarshrouniyar/air-pollution-image-dataset-from-india-and-nepal
CS (5- 8)	MN S	Tomat o Diesase detecti on	Apply CNN & four transfe r learnin g model & Compa re results	https://www.kaggle.com/datasets/mamtag/tomato-village
C OE (22 - 24)	MN S	Agricultur al Crop Yield in Indian States Dataset	Apply multilayer perceptron with and without regularizati on & Compare result with CNN	

C OE (14 - 15)	MN S	Satellite images classification	Satellite image classification using CNN and transfer learning models	https://www.kaggle.com/datasets/ mahmoudreda55/satellite-image-classification
C OE (4- 7)	MN S	Land Cover Classification on punjab	Take satellite images from lands at punjab	https://www.kaggle.com/code/ nilesh789/land-cover-classification- with-eurosat-dataset