**UP School Deep Learning Specialization Bootcamp**

**AD Challenge Project Explanations Document**

**Project objective:** This is an optional model development project on a real dataset related to predicting the different progressive levels of Alzheimer's disease (AD). The students are expected to use tensorflow library for the modeling process and will be asked to submit the predicted labels for a test dataset by which their scores will be evaluated objectively.

In this project, you are supposed to provide a data science model to determine the level of Alzheimer disease. The levels are the ordinal categories from lower to higher respectively: 0, 0.25, 0.50, 1.0, 2.0, 3.0 (that are the progressive levels of Alzheimer's disease)

You are expected to use the following features:

['EDUC','NACCMOCA','MARISTAT','NACCFAM','NACCGDS','NACCNE4S','NACCAPOE', 'INDEPEND','RESIDENC','ANYMEDS','NACCAMD','DEL','HALL','DEPD','ANX','APA','DISN', 'IRR','MOT','AGIT','ELAT','NITE','APP','DROPACT','NACCAGEB','SEX']

Your train dataset size should be 70%, validation dataset size 15% as well as the test size 15%. Your target metric will be F1 score.