Instructions for the implementation of the scripts:

1) A numpy array for each CT examination should be created. For this purpose, the 'Array_creation' script should be used. The user should change the paths to target the folders where the CT data and dose data exist. Furthermore, the exposure parameters should be changed to meet each CT system's characteristics (comments are provided into the script).

2) To create the final array which will be used for the training process, the 'Append_arrays' script should be used to merge the numpy arrays produced in the first step.

3) The path of the final array should be imported into the 'Tuner' script to tune the hyperparameter values.

4) For the training process the 'Training' script should be used. The user should import the path of the final array. Moreover, the hyperparameters should be set as proposed from the 'Tuner' script results. After the training process, the model and scaler files are automatically saved.

5) To deploy the model, the 'GUI' script should be used. The scaler's path should be imported into the lines 289 and 500. Model's path should be imported into the lines 290 and 501.