Experienced AI developer		
Publishing Date: 14/12/2021	**Group:**	**Application ID:**

Description of the Project:

Photosensitivity is an abnormal visual sensitivity of the brain, resulting in a photoparoxysmal response (PPR), a brain epileptiform discharge, provoked by a photic or visual stimulus.

A way to diagnose PPR is by means of submitting the subject to an intermittent photic stimulus (IPS) following the international guidelines, while at the same time recording the brain activity in an electroencephalogram (EEG).

This process is done manually by physicians (clinical neurophysiologists and nurses) by reading the EEG and marking those parts where the subject shows PPR.

The candidate will join a research group to develop an AI application to automatically detect PPR events at EEG signals.

Profile: Master's degree in Automation Engineering and Industrial Informatics.

Experience: Very good knowledge and experience working with programming tools, languages, databases, etc (C, C++. C#, Java, etc); very good knowledge and experience working with artificial intelligence applied to biomedical engineering signals analysis, specifically electroencephalograms (EEG); very good knowledge and experience working with DL and ML applied to the detection of photoparoxysmal responses; Commitment for research activities.

Starting Date: 1/1/2022