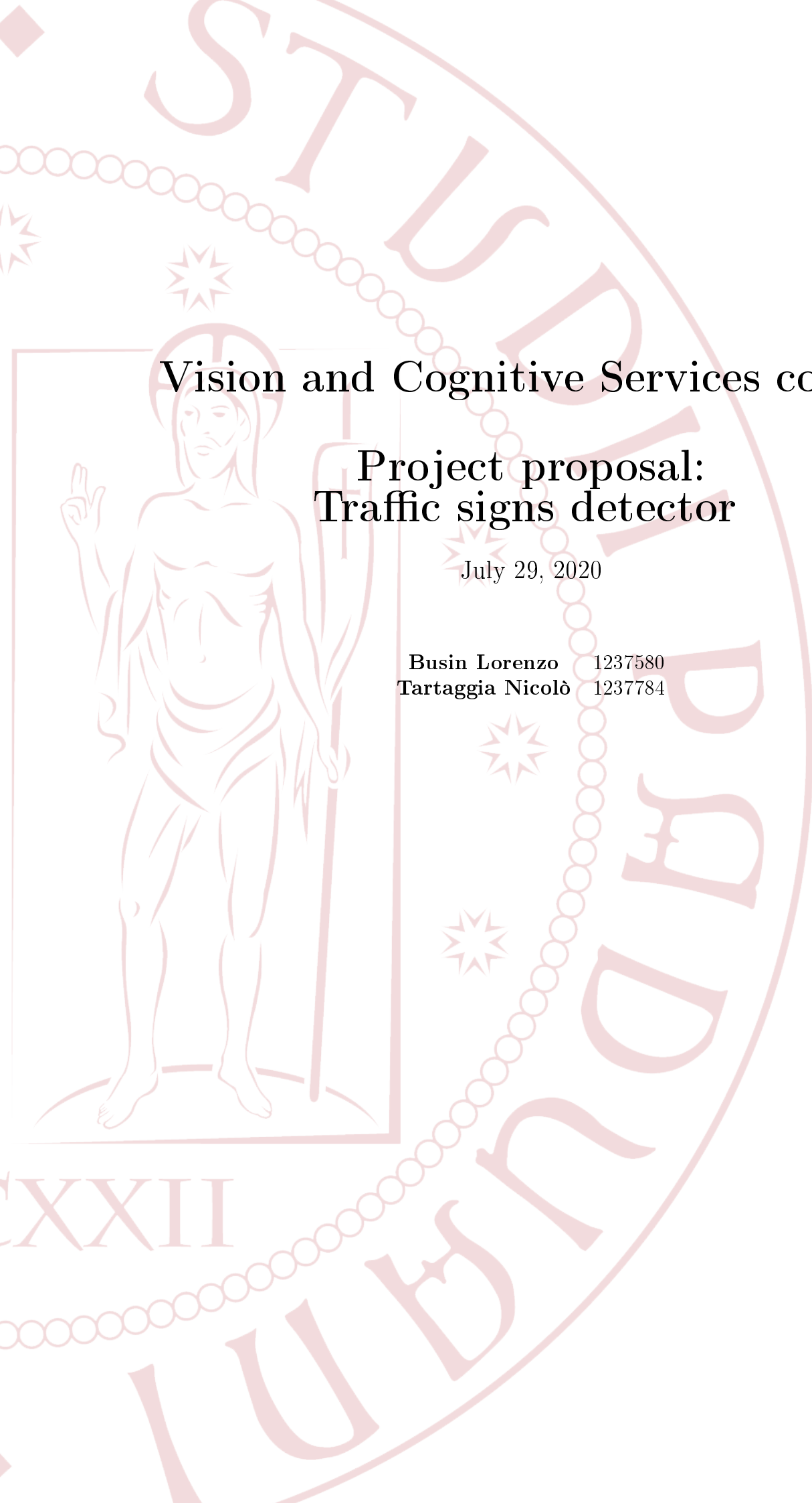# Vision and Cognitive Services course

Project proposal:
Traffic signs detector

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1 Problem

The aim of the project is to build a traffic signs detector able to recognize different types of signs. Based on the information it receives, it can produce various outputs and show the result, for example, through graphs. The system will be based on a convolutional neural network, a specific neural network particularly suitable for the area of image recognition. The idea is to create an algorithm which can process not only images but also video frames.

2 Dataset

- images dataset for training
- collect video in different periods of the day (i video verranno utilizzati per valutare le performance del sistema o anche per effettuare del training?)

3 Algorithm

- do some research for already existing implementation

4 Implementation