INCA Summative

## Section A:

* 6.75 pages
* Architectures
  + State it’s a classification problem
  + What types of architecture are suitable
  + Technical features of the architectures
  + Advantages of architectures
  + Disadvantages of architectures
* Creation/application
  + Data
    - Describe data
    - Inputs/outputs from the network
    - Transforming data into input
  + Training
    - Which training algorithm used
    - How selected
    - Sufficient detail for someone else to re-implement
  + Evaluations
    - Num neurons/layers
    - How split data
    - Explain how compare networks
    - How decided on the final network
  + Network
    - Describe best network
    - Someone else should be able to re-implement
    - Matlab defaults
  + Results
    - Relate these back to problem

## Section B:

* 2.75 pages
* NNs in recent lit for vision processing for robots
* Paper 1
  + Intro
  + Main features of the architecture
  + How network is trained
  + How much data is needed
  + How data is pre processed
  + Effectiveness for a robot vision system
* Paper 2
  + Intro
  + Main features of the architecture
  + How network is trained
  + How much data is needed
  + How data is pre processed
  + Effectiveness for a robot vision system

## Bibliography:

* Paper 1
* Paper 2
* MATLAB refs