**Guidelines for MRNet Classification Report**

The report structure can follow the flow of the MRNet notebook. Suggested sections are listed below. **Beneath some of the sections are ideas of how you could expand the MRNet solution notebook but this is not required.**

Explain what is happening in each section. For example, in the model section, you could briefly explain in three/four sentences the purpose of the ‘init’ function and the purpose of the ‘forward’ function. You could then describe the architecture you implemented and some background information i.e. when was it first implemented, why it outperformed the previous state-of-the-art architectures and why you choose it. You could also mention any modifications you made to the original architecture i.e. did you modify the last fully connected layer or did you add another fully connected layer.

The sections of the report are listed below;

1. **Section on defining the model**
   1. Implement different architectures
   2. Implement advanced techniques such as spatial attention
2. **Section on defining the dataloader**
3. **Section on training**
   1. Implement different data augmentation methods
   2. Tune the learning rate or other hyper-parameters such as weight decay to improve the model performance
   3. Try different optimisers instead of Adam, such as SGD
4. **Section on evaluation** 
   1. Create your own test set to report final evaluation results on
   2. Use cross-validation to evaluate the model
5. **Section on possible future work / improvements** 
   * Can you improve the interpretability of the model?
   * Can you find other methods for dealing with the volumetric aspect of the data?