

## **Types of NLP applications.**

**A model that allocates which email folder an email should be sent to (work, friends, promotions, important), like Gmails inbox tabs. -**

For this use case the correct type of NLP application that would be used is Text Classification. This is because the model will take into account the subject of the email, the sender and also the contents to define which category the email should be placed in.

**A model that helps decide what grade to award an essay question. This can be used by a university professor who grades a lot of classes or essay competitions. -**

The NLP application category that this model would use is Automatic Summarisation, this would be the correct category as an essay question would contain a lot of information and Automatic Summarisation would help to process the volume.

**A model that provides assistive technology for Doctors to provide their diagnosis. Remember, Doctors ask questions, so the model will use the patients' answers to provide probable diagnosis for the Doctor to weigh and make decisions. -**

Question Answering would be the model to use in this instance, this would be the most suited as Doctors would be asking a question to which the patient would be giving them information depending on the question that has been posed to them.