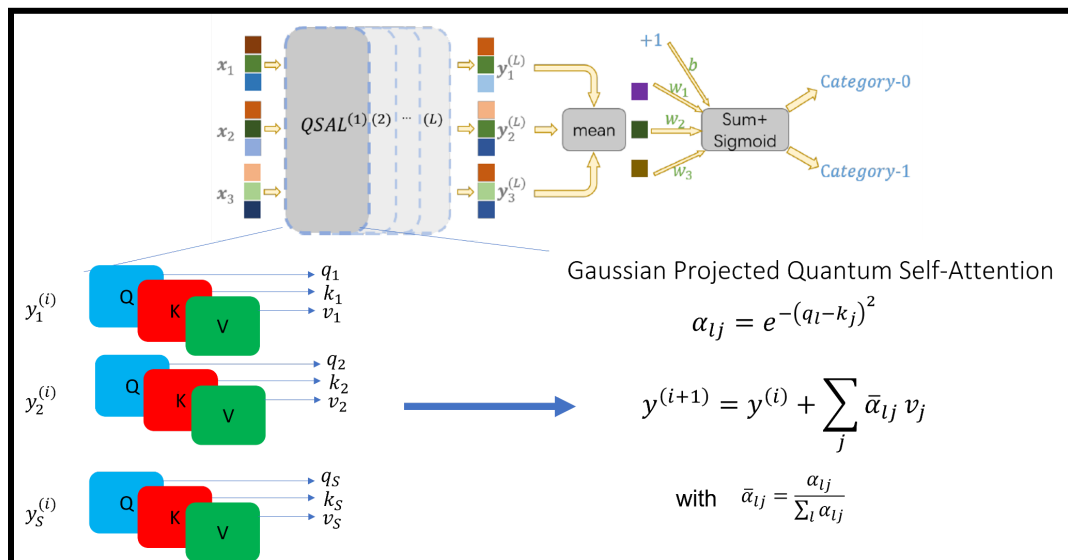


# Hybrid Algorithm to Explore Properties of GPT in Quantum Transformer Models

Our work is mainly divided into two parts:

1. Building Quantum Self Attention Layers (QSAL) for deployment in Quantum Transformers, which are to be tested for text classification. A minor adjustment in the data encoding allows us to encode image data into the same model, resulting in so-called Quantum Vision Transformers (QVT) for image classification. So far, we were successful in preparing models for binary text and image classification.



2. Survey Paper on Sequence Models, where we plan to go through different quantum methods used in sequence methods including QNNs, QRNNs, and quantum transformers.