Ladies and gentlemen,

Thank you for the opportunity to speak today about our recent advancements in quantum computing. Over the past year, our team has focused on increasing qubit coherence times while optimizing error rates to enhance computational reliability.

Firstly, we have successfully extended coherence times by implementing dynamic decoupling techniques. By precisely calibrating pulse sequences, we achieved a 40% improvement compared to conventional methods. Moreover, our error correction algorithms have been refined. By employing surface codes and advanced syndrome decoding, we minimized logical error rates by up to 15%. This progress paves the way for scalable quantum systems.

In conclusion, our work demonstrates significant strides toward practical quantum computation. We are optimistic that these developments will contribute substantially to both scientific research and industrial applications.

Thank you for your attention. I welcome any questions you may have.