import matplotlib.pyplot as plt

# Sample data for accuracy and epochs

epochs = list(range(1, 21)) # Example epoch numbers (1 to 20)

accuracy = [0.5, 0.55, 0.6, 0.62, 0.65, 0.68, 0.7, 0.72, 0.75, 0.77,

0.78, 0.8, 0.82, 0.83, 0.85, 0.86, 0.88, 0.89, 0.9, 0.91] # Example accuracy values

# Plotting the accuracy vs epochs graph

plt.figure(figsize=(10, 6))

plt.plot(epochs, accuracy, marker='o', color='b', label='Accuracy')

plt.title('Model Accuracy over Epochs')

plt.xlabel('Epochs')

plt.ylabel('Accuracy')

plt.legend()

plt.grid(True)

# Save the plot as an image

plt.savefig('accuracy\_vs\_epochs.png')

plt.show()