

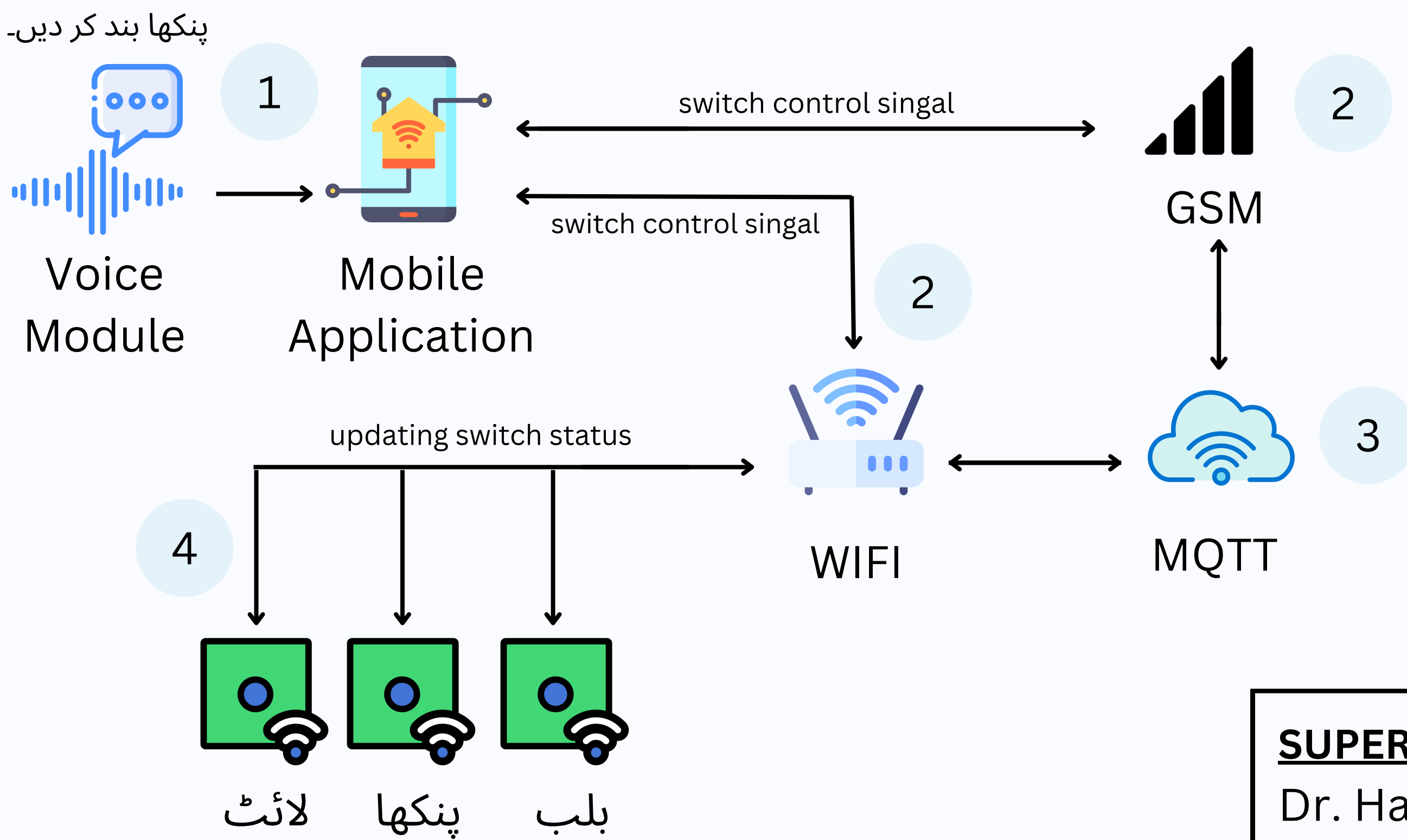
OVERVIEW

IoT-based smart home automation allows wireless control of electrical appliances via the internet, using mobile apps and voice commands. This system connects devices through IoT, allowing remote access to home appliances. Natural language Processing (NLP), a branch of Artificial Intelligence (AI), can be used to create voice modules for controlling these appliances.

GOAL

IoT-based smart home systems with voice modules or mobile apps are popular in the West, but not widely available in Urdu, spoken by 89.7 million people worldwide. This project proposes an Urdu language IoT-based home automation system to overcome the language barrier and enable Urdu-speaking individuals to benefit from smart home technology, which can save electricity, reduce manual labor, increase efficiency and security, and play an important role in the economy and daily experience of these communities.

WORKFLOW



Technologies



SUPERVISOR

Dr. Hafeez ur Rehman

Team Members

Ummayhani Javed
(P190044)

Dawood Zahir
(P180032)