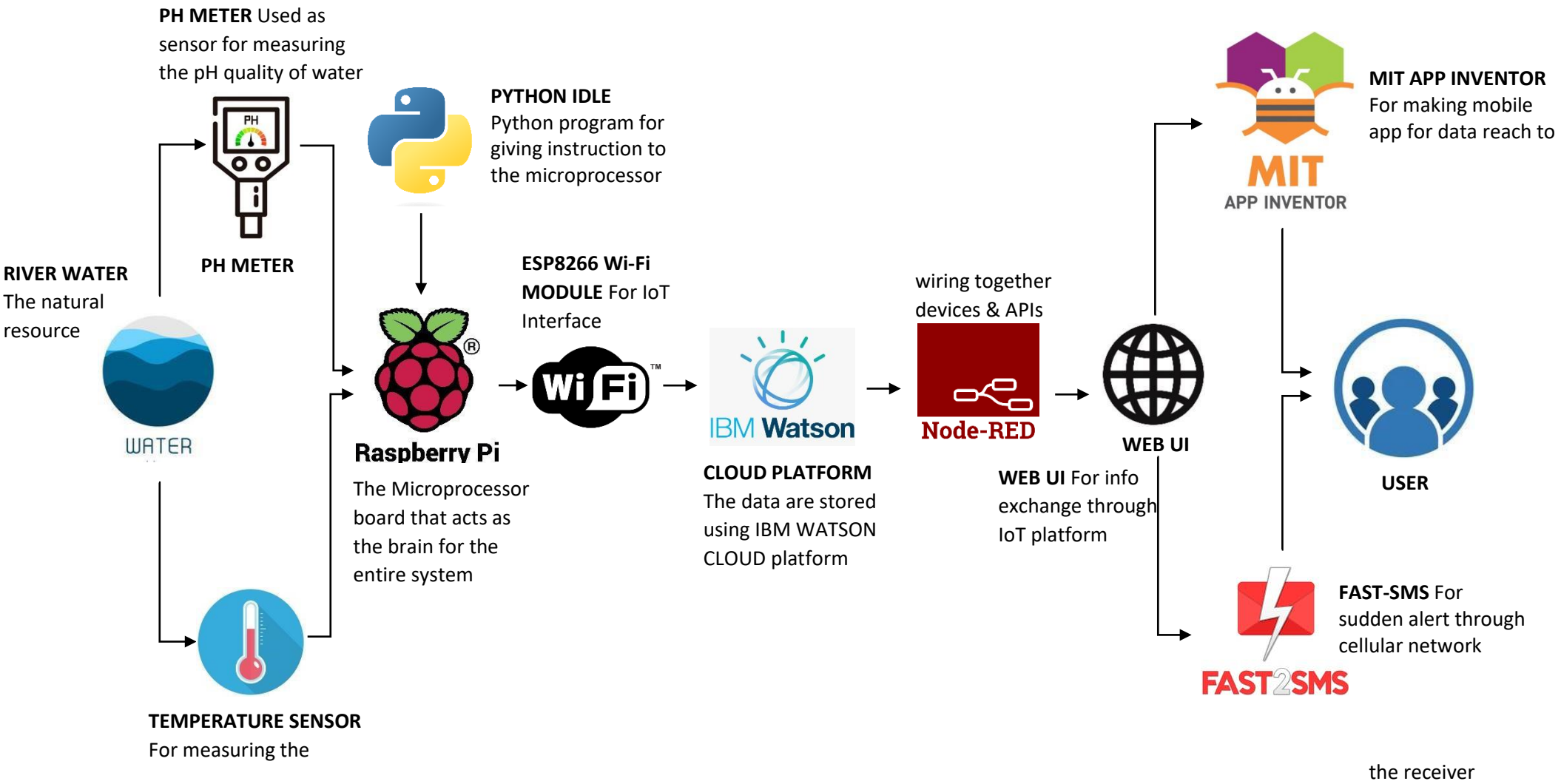
TECHNICAL ARCHITECTURE


PH METER Used as sensor for measuring the pH quality of water
PH
PH METER
PYTHON IDLE Python program for giving instruction to the microprocessor
RIVER WATER The natural resource
WATER
ESP8266 Wi-Fi MODULE For IoT Interface
Wi Fi
Raspberry Pi
The Microprocessor board that acts as the brain for the entire system
IBM Watson
CLOUD PLATFORM The data are stored using IBM WATSON CLOUD platform
wiring together devices & APIs
Node-RED
NODE RED tool for
WEB UI
WEB UI For info exchange through IoT platform
MIT
APP INVENTOR
MIT APP INVENTOR For making mobile app for data reach to
USER
FAST-SMS For sudden alert through cellular network
FAST2SMS
the receiver
TEMPERATURE SENSOR For measuring the

temperature in digital value