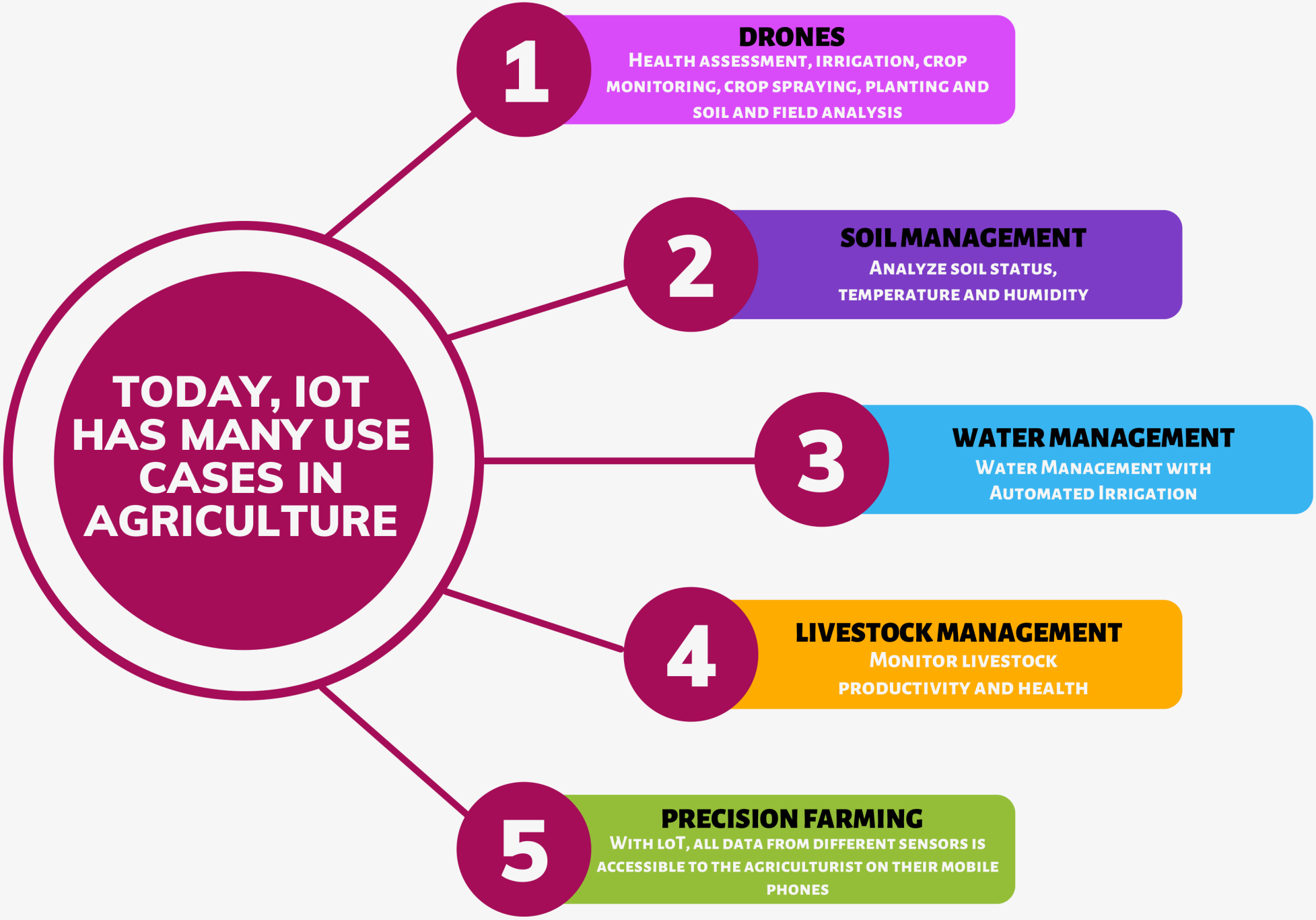
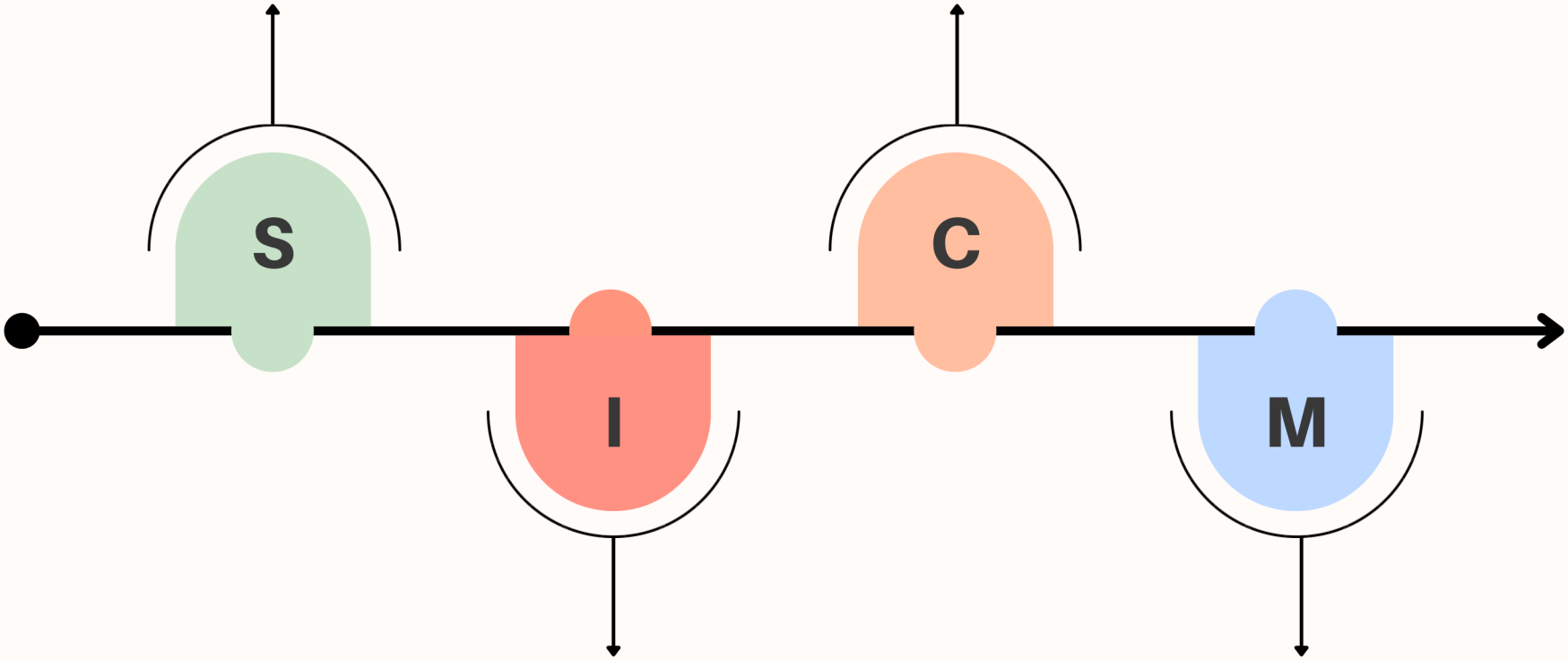

TODAY, IOT HAS MANY USE CASES IN AGRICULTURE
1
DRONES
HEALTH ASSESSMENT, IRRIGATION, CROP MONITORING, CROP SPRAYING, PLANTING AND SOIL AND FIELD ANALYSIS
2
SOIL MANAGEMENT
ANALYZE SOIL STATUS, TEMPERATURE AND HUMIDITY
3
WATER MANAGEMENT
WATER MANAGEMENT WITH AUTOMATED IRRIGATION
4
LIVESTOCK MANAGEMENT
MONITOR LIVESTOCK PRODUCTIVITY AND HEALTH
5
PRECISION FARMING
WITH LOT, ALL DATA FROM DIFFERENT SENSORS IS ACCESSIBLE TO THE AGRICULTURIST ON THEIR MOBILE PHONES

SENSORS

Temperature, Humidity, Pressure, Motion, Lux

Cloud Server

An IoT cloud is a massive network that supports IoT devices and applications. This includes the underlying infrastructure, servers and storage, needed for real-time operations and processing.



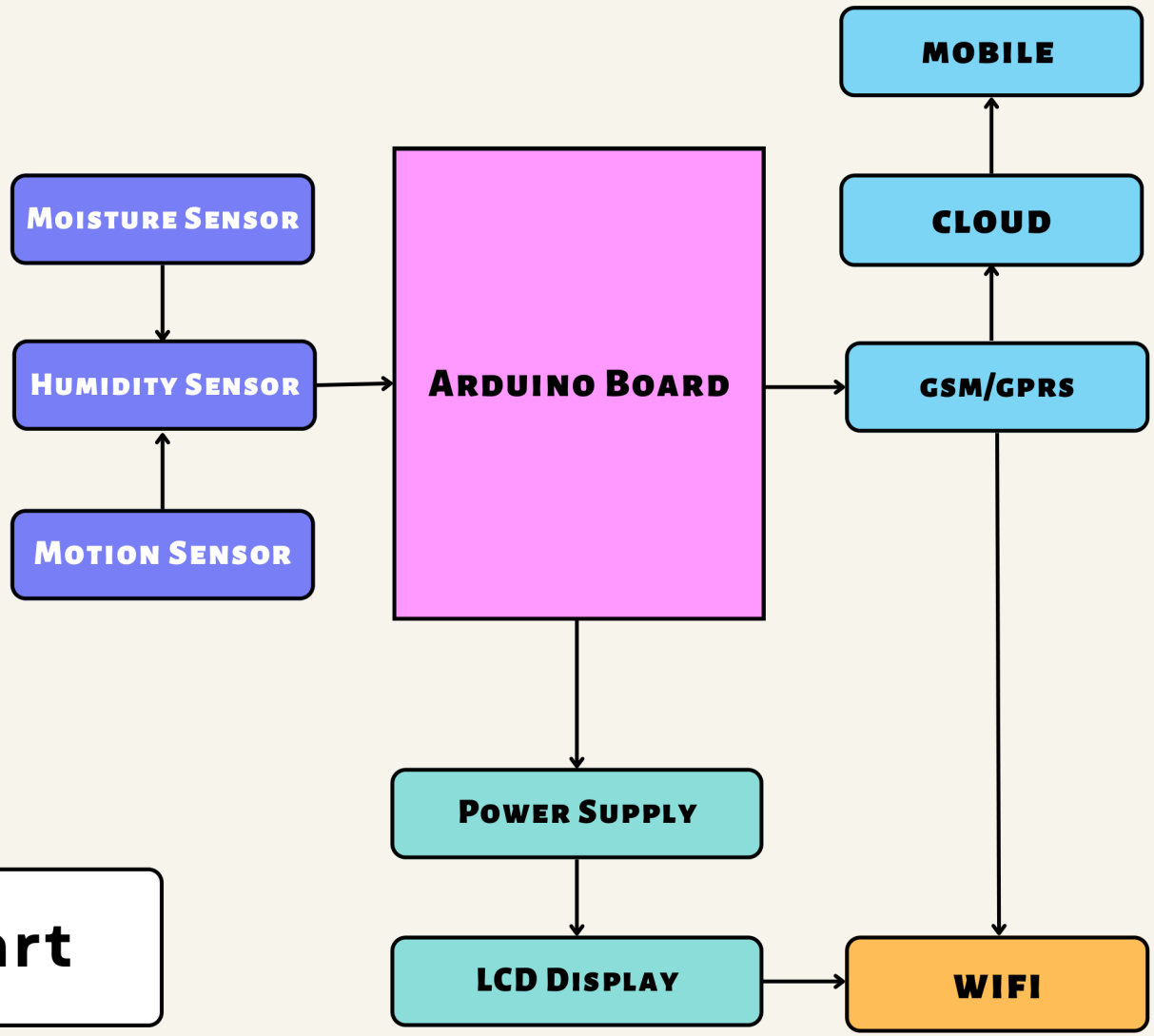
IOT

Gateway/Frame work
An IoT gateway is a centralized hub that connects IoT devices and sensors to cloud-based computing and data processing.

Mobile app

These devices can collect, send and act on data they acquire from the surrounding environment or share among each other. It is possible due to embedded sensors, processors and communication hardware

Flowchart


MOBILE
CLOUD
MOISTURE SENSOR
HUMIDITY SENSOR
ARDUINO BOARD
GSM/GPRS
MOTION SENSOR
POWER SUPPLY
LCD DISPLAY
WIFI