SNS COLLEGE OF TECHNOLOGY

Coimbatore-35
An Autonomous Institution

Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A++' Grade
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

19EET304/ IOT for Electrical Sciences

III YEAR VI SEM

UNIT 1 – INTRODUCTION

TOPIC 4 – Structure of IoT, IoT Map

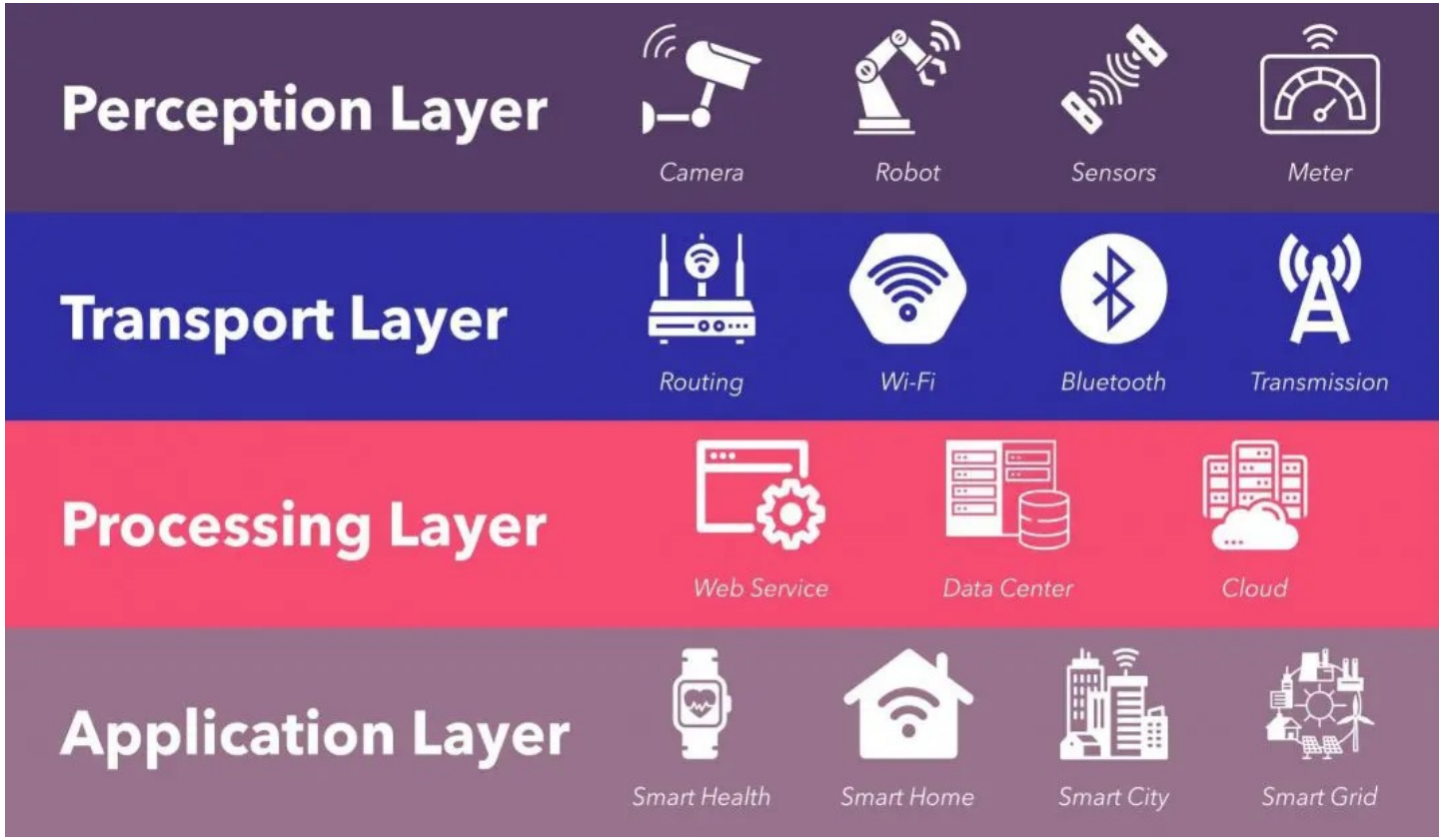
WHAT IS THE ARCHITECTURE OF INTERNET OF THINGS (IOT)?

•IoT sensors are pieces of hardware that detect changes in an environment and collect data.

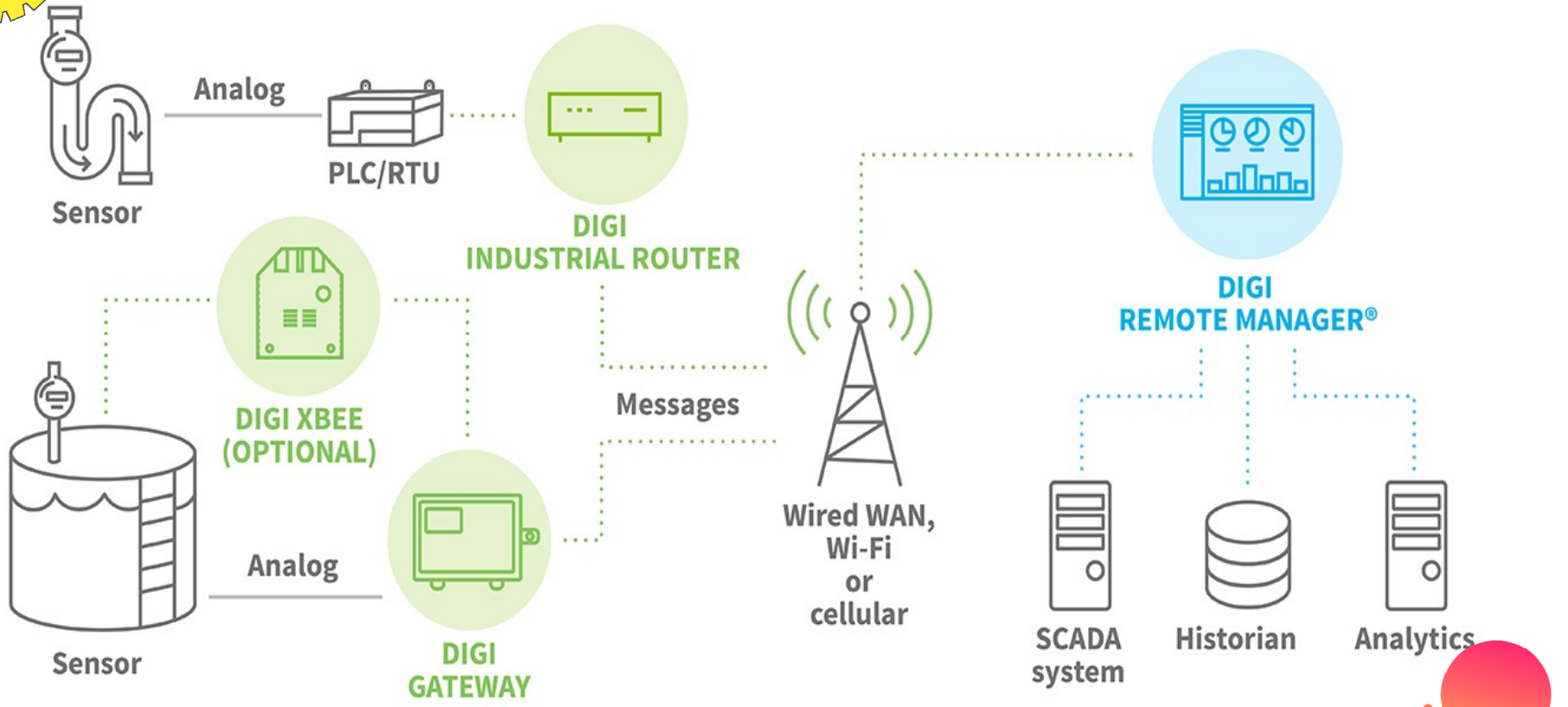
•They're the pieces of an IoT ecosystem that bridge the digital world to the physical world.

•IoT sensors may detect things like temperature, pressure, and motion, and if they are connected to a network, they share data with the network.

ARCHITECTURE OF IOT



DATA FLOW: FROM THE EDGE TO THE SERVER/CLOUD



DATA FLOW: FROM THE EDGE TO THE SERVER/CLOUD

STAGE 1: Sensors and Actuators

STAGE 2: Internet Gateways and Data Acquisition Systems

STAGE 3: Pre-processing: Analytics at the Edge

STAGE 4: In-depth Analysis in the Cloud or Data Center

ACOUSTIC AND NOISE SENSORS

HUMIDITY SENSORS

WATER QUALITY SENSORS

IMAGE SENSORS

ASSESSMENT – 1

Which sensor is used in home automation light on off?

ASSESSMENT – 2

CAN YOU EXPLAIN THIS SENSORS?

References