

[illegible]

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The diagram illustrates the four pillars of Industry 4.0, arranged in a diamond shape around a central icon. The central icon depicts a factory with smokestacks emitting red smoke, with the text '4.0' inside a blue cloud. The four pillars are:

- Data Analytics** (top): Represented by a teal circle containing a magnifying glass over a bar and line chart.
- Internet of Things** (left): Represented by a dark blue circle containing a smartphone, a cloud, and wireless signal waves.
- Cloud Computing** (right): Represented by a blue cloud containing icons of a desktop monitor, a smartphone, and a laptop.
- Cyber Security** (bottom): Represented by a blue cloud containing a white padlock icon.

Dashed blue lines connect the four pillar icons in a diamond pattern, indicating their interdependence in the Industry 4.0 ecosystem.

Better Business Process Model

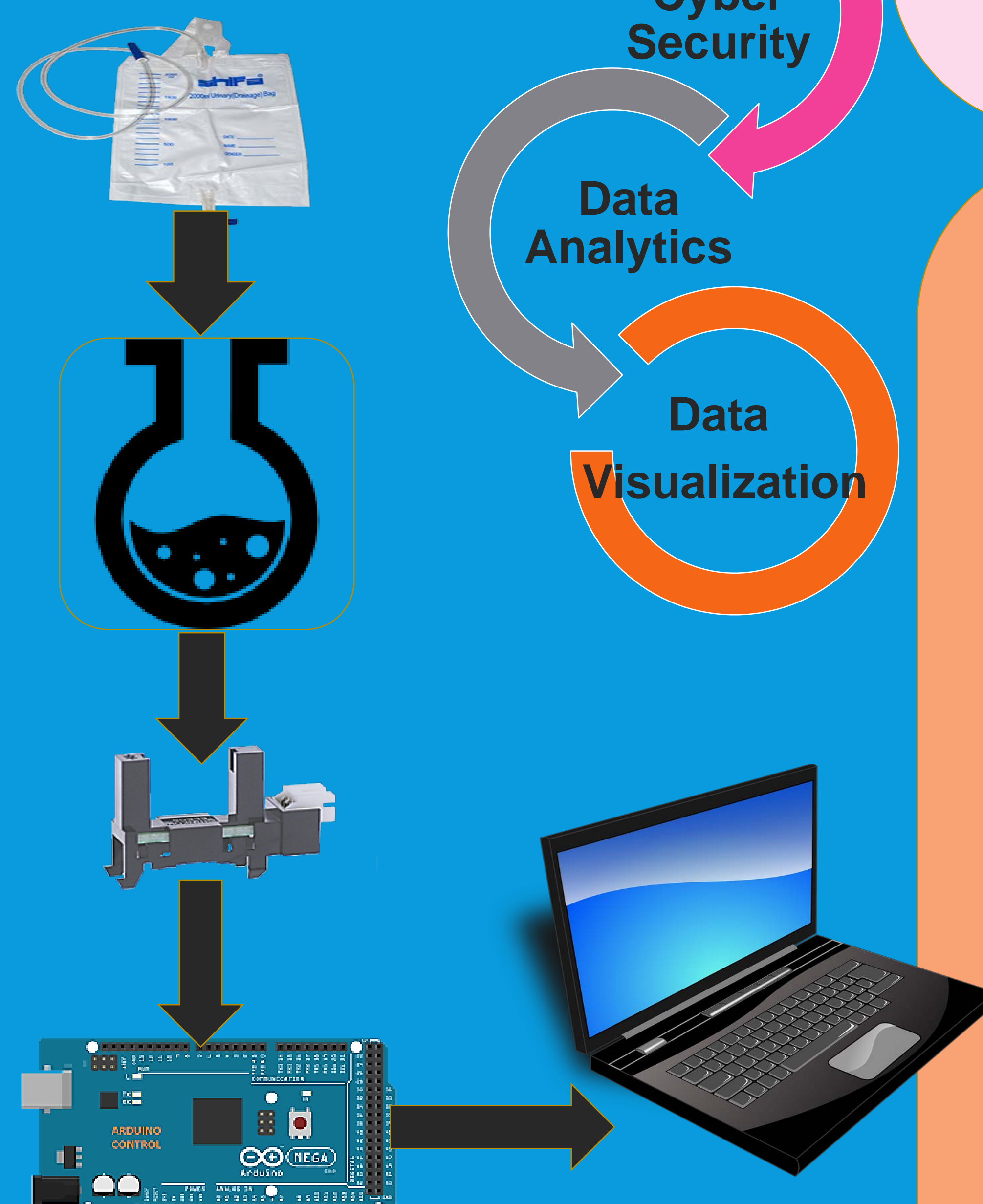
Better Product Customization

- Selection of Efficient Sensors
Esp. Low Flow Sensors
- Combination of Low and High Flow Sensors
- Data Privacy and Security
- Data Communication
- Data Analytics
- Design And Development of Cloud Based Software Application
- Interfacing Micro-controller and Programming Languages

A photograph of the URINFO Urine Measurement Unit. The device is white and blue. On the left, a clear plastic container holds a white, fluffy substance. A blue tube is connected to the top of this container. On the right, a digital display shows '2021' and '4 ml'. Below the display are several icons: a light bulb, a house, a zero, a padlock, a folder, and a right arrow. The text 'URINFO' and 'Urine Measurement Unit' are visible on the front panel.

Our proposed concept depicted by Figure below is based on the Industry 4.0 framework with some changes to meet the challenges of Smart Factories and Industry 4.0. Our conceptual model consists of 5 layers: *Physical Layer, Information Layer, Cyber Security, Data Analytics* and *Data Visualization*.

How Our Model Works?



- Improve the diagnosis process in the hospitals.
- Relieve the burden of the staff.
- The overall conceptual model offers a unique way to implement the smart factories.
- Our model can be used to enhance the capabilities of IIoT applications.
- It can be used as a model for further enhancement to incorporate the Industry 4.0 concept.

- Reducing Human Error.
- Improving Diagnosis Process.
- Reducing Staff Workload

- A fully integrated system for monitoring urine flow.
- Below 15% error in measurements.
- Applications in medical and process industries for different liquids.

- One of the best initiatives of the modern era.
- Revolutionizing Industrial norms.
- Enhancing Business Process.
- Improving Factory to customer experience.

