IoT - Internet of Things: State of the Art and Its Future

by
Dr. Ismail @ Ismail Yusuf Panessai

ismailyusuf@fskik.upsi.edu.my

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- IoT Architecture
- State of the Art of IoT
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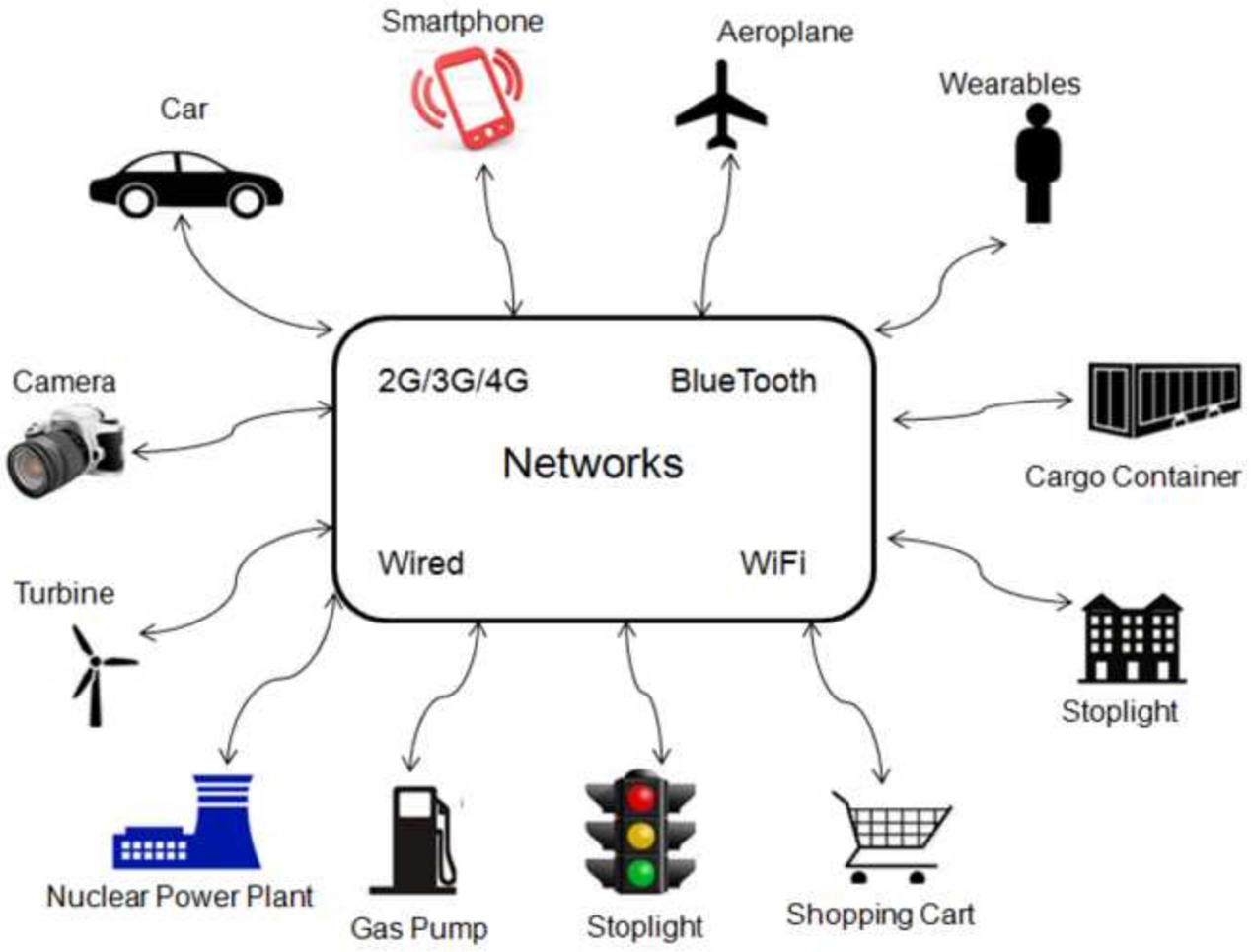
What's IoT

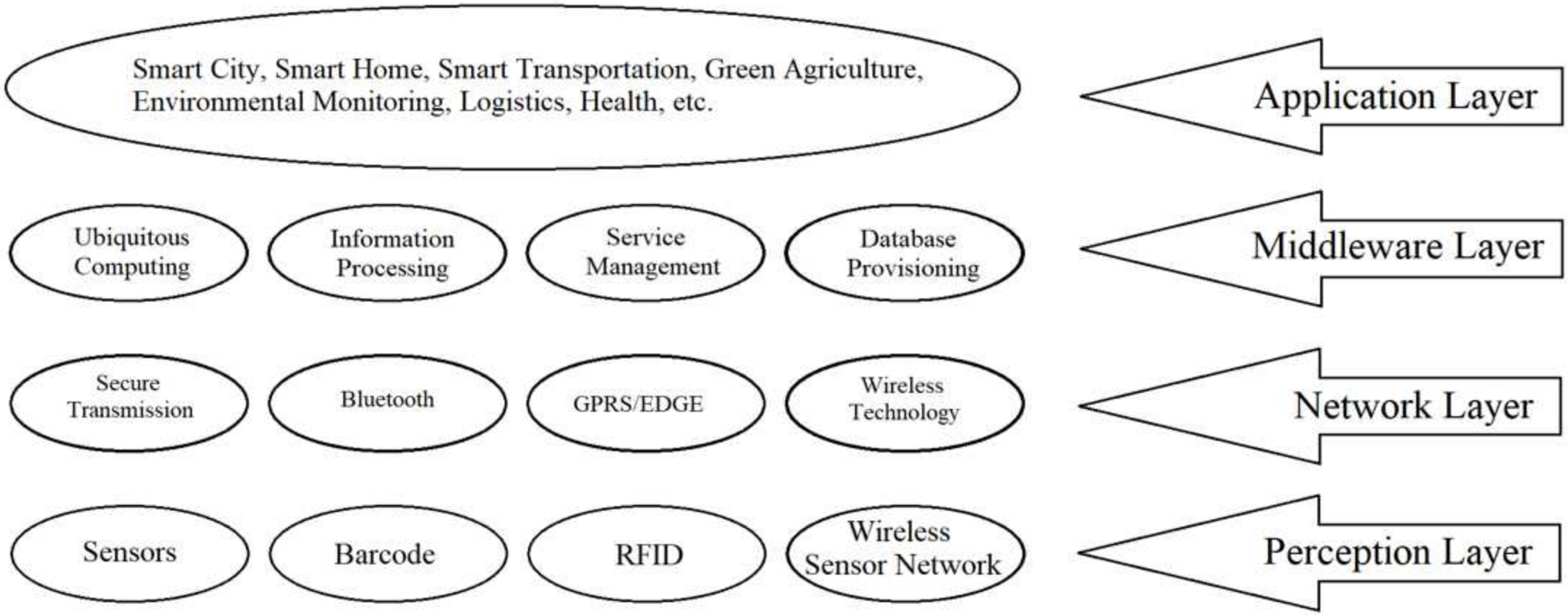
Internet of Things (IoT) is a term that refers to the interconnection of tools with the Internet, connecting objects more than people.

In short, IoT is a network of physical objects (buildings, vehicles, etc) that are equipped with embedded technology, sensors, and connections to the network, and able to collect and transmit data.

What's IoT: IoT Scenario



IoT Architecture



IoT Architecture

Perception Layer: All information collected at perception layer is of the form: pH level, humidity, location, vibration etc.

Network Layer: Telecommunication network acts as core host network which communicates between sensor and transmission network.

IoT Architecture

Middleware Layer: Provides services to customers along with storing lower layer information in database.

Application Layer: Includes application management which is based on the information gained from middleware layer.

State of the Art of IoT

State of the Art means technical, mechanical and scientific knowledge about the manufacture, design, testing, or labelling of the same or similar products that are available and are suitable for use at the time of IoT manufacture.

State of the Art of IoT

Two important things:

- Reasonably Feasible Technology
- Considerations for Connected Devices

The future of IoT

Predictions about the future of IoT:

- Cybercriminals will continue to use IoT devices to facilitate DDoS attacks
- Routers will become more Secure to block unwanted access
- The Internet of Things Grows Artificial Intelligence
- More cities will become “smart”
- Cars will get even smarter

IoT in the Future

IoT is created for a better world for all the human beings:

- Anytime
- anybody
- any service
- any network
- anywhere
- any device

If there is any question, please feel free to let me know:

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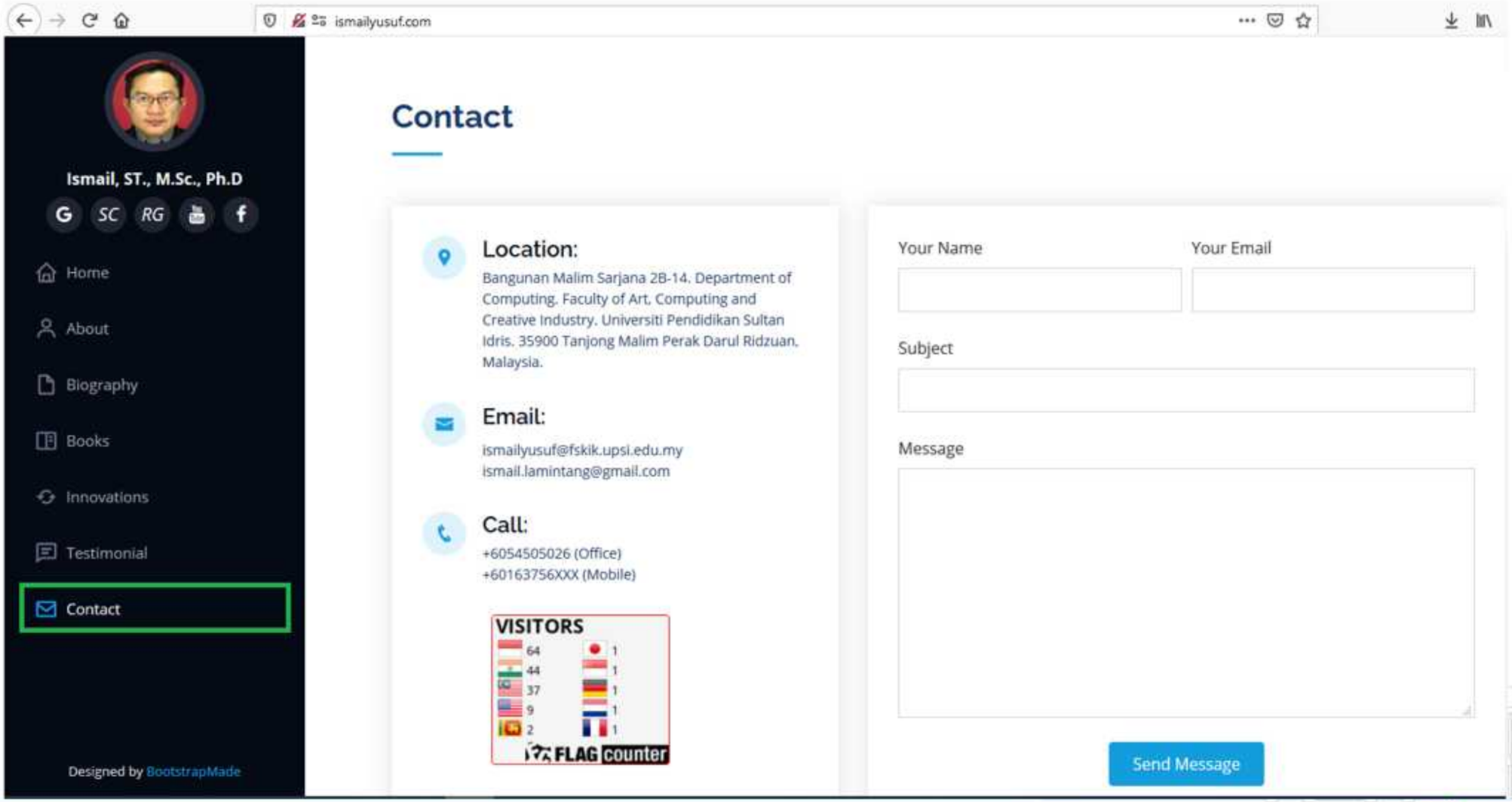

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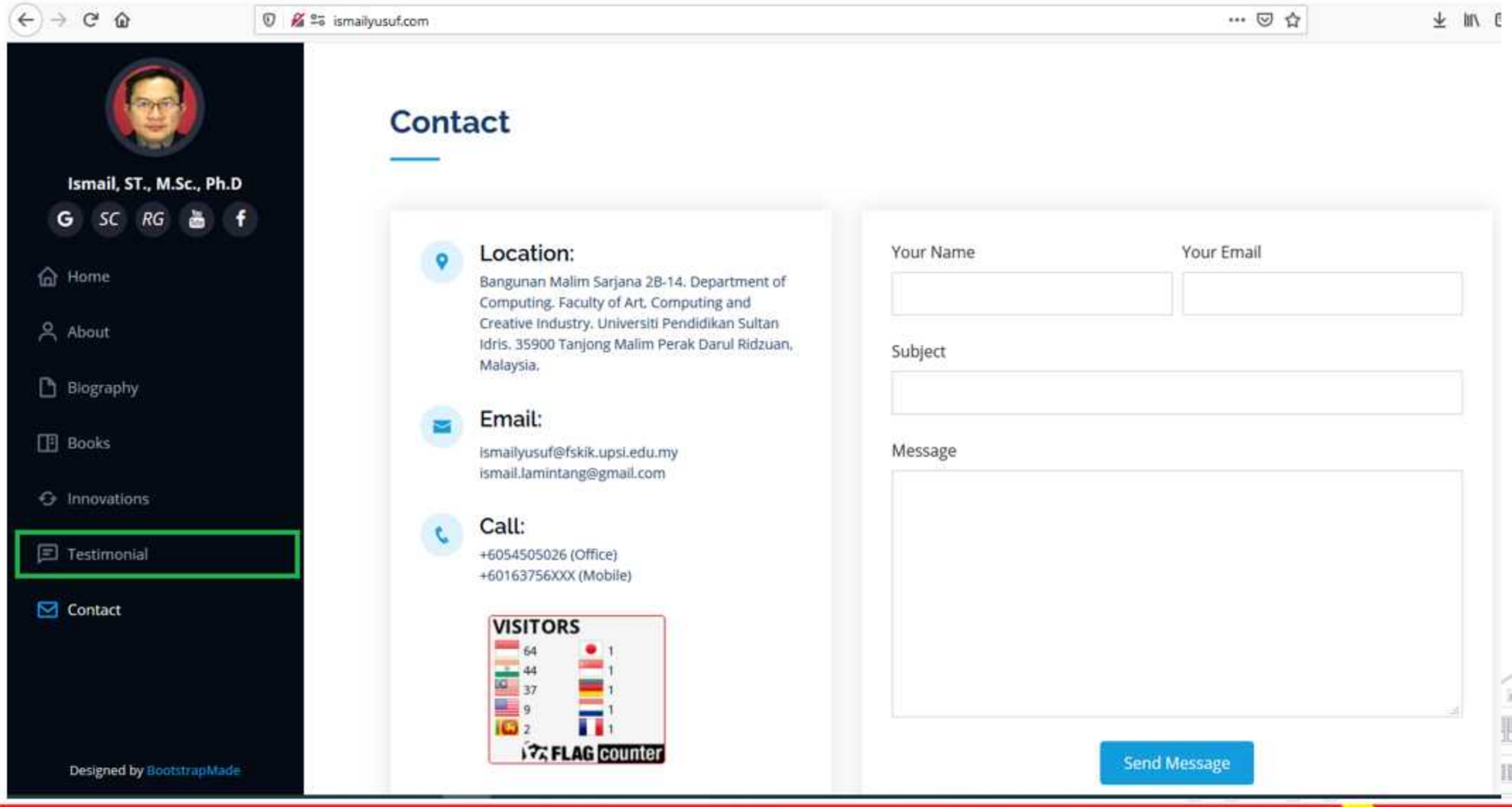

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