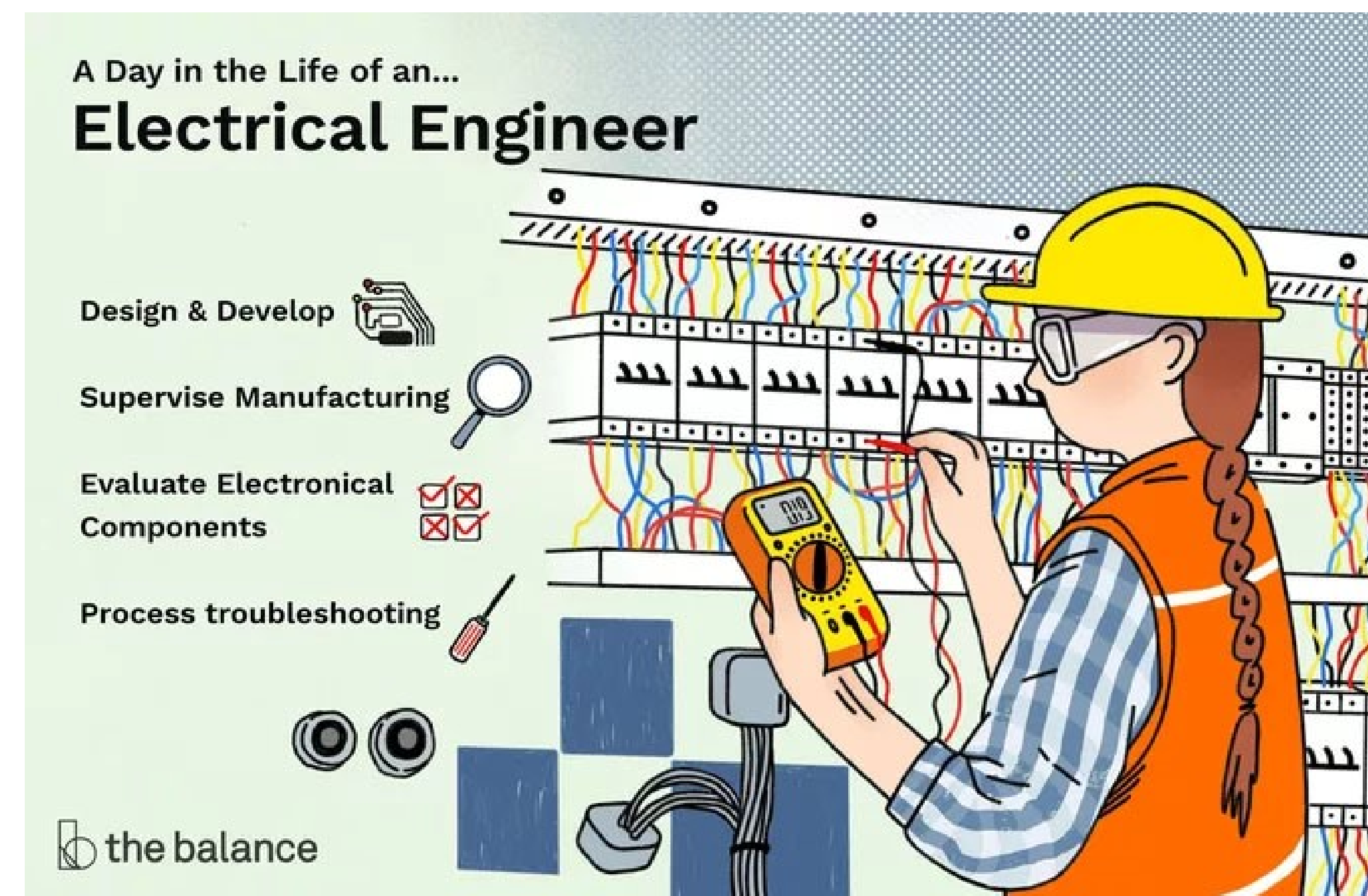


### Why Electrical Engineering

- Electrical Engineering is at the forefront of practical technologies.
- Electrical engineers developed and improved the devices we used every day.
- Electrical engineers create the electronics we use every day.
- Electrical engineers developed the communication systems and cell phones.

### Electrical Engineers Daily Duties

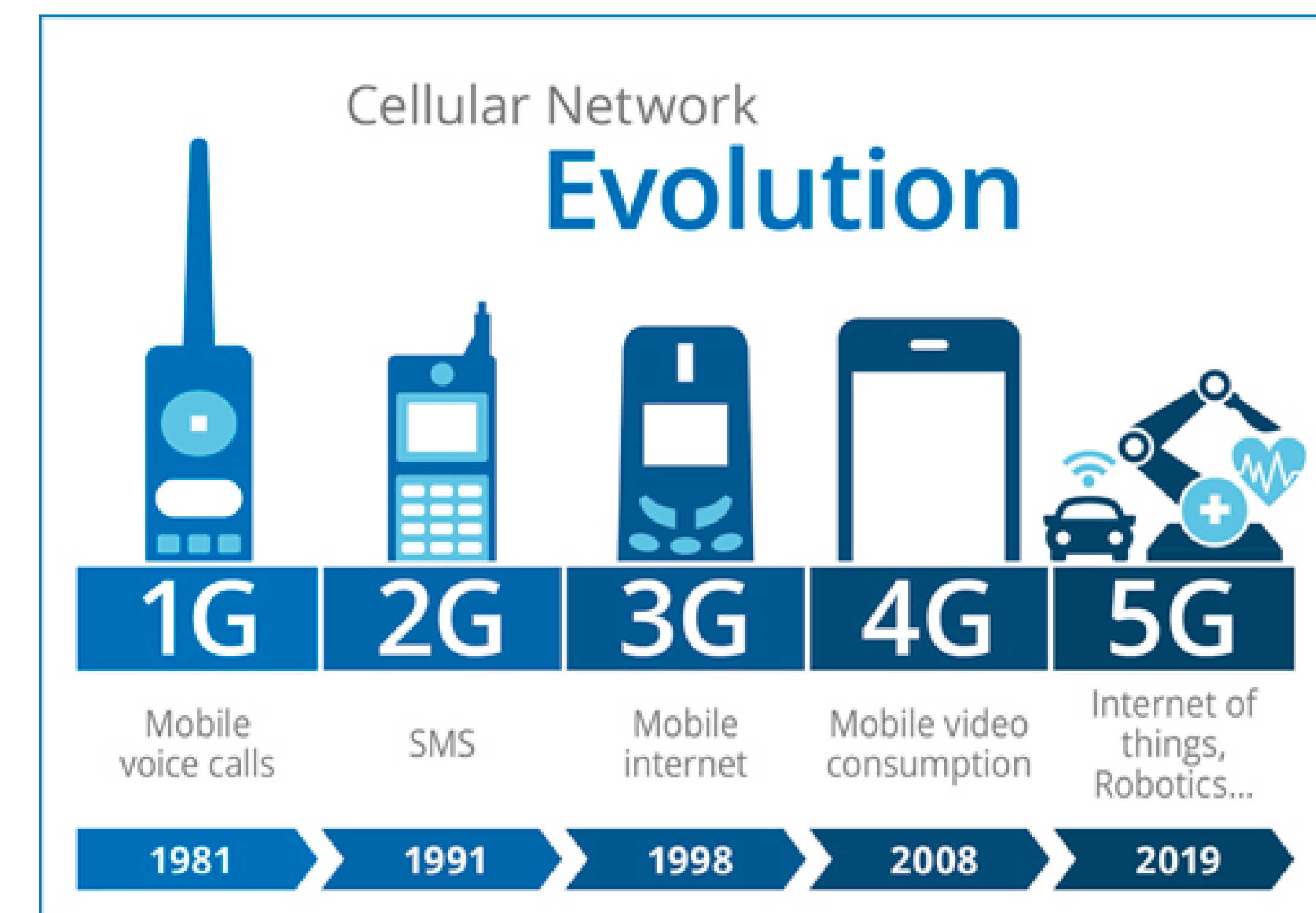


### Why Electrical Engineering at GJU

- State-of-the-art labs: Electronics, Communication systems, Communication Circuits, Machine, power electronics, etc.
- The department offers the following tracks:
  - Internet of Things (IoT) track
  - 5G Technologies track
  - German Year: Study one semester at a German University and work for at least 20 weeks at German Industry.
- Professional certifications: Industry centered courses in curriculum to qualify students for professional certifications from leading companies such as CISCO, RedHat, HUAWEI, and others.

### 5G and Emerging Technologies Track

- 5G is the latest mobile network which is currently being deployed worldwide.
- 5G technology, in combination with other technologies like Artificial Intelligence (AI), IoT, 3D printing, machine learning and others will change the way consumers live and interact today.



### Career Opportunities

▪ **The US Bureau of Labor Statistics (LBS) predicts that the demand for electrical engineers will grow by almost 5% in 2022 and exponentially over the coming decades.**

- An electrical engineer can work at:
  - Research and development industries
  - Manufacturing industries
  - Government
  - Automotive manufacturing
  - Aerospace
  - Defense
  - Renewable energy
  - Computer networks and systems
  - Telecommunications
  - Optical communication

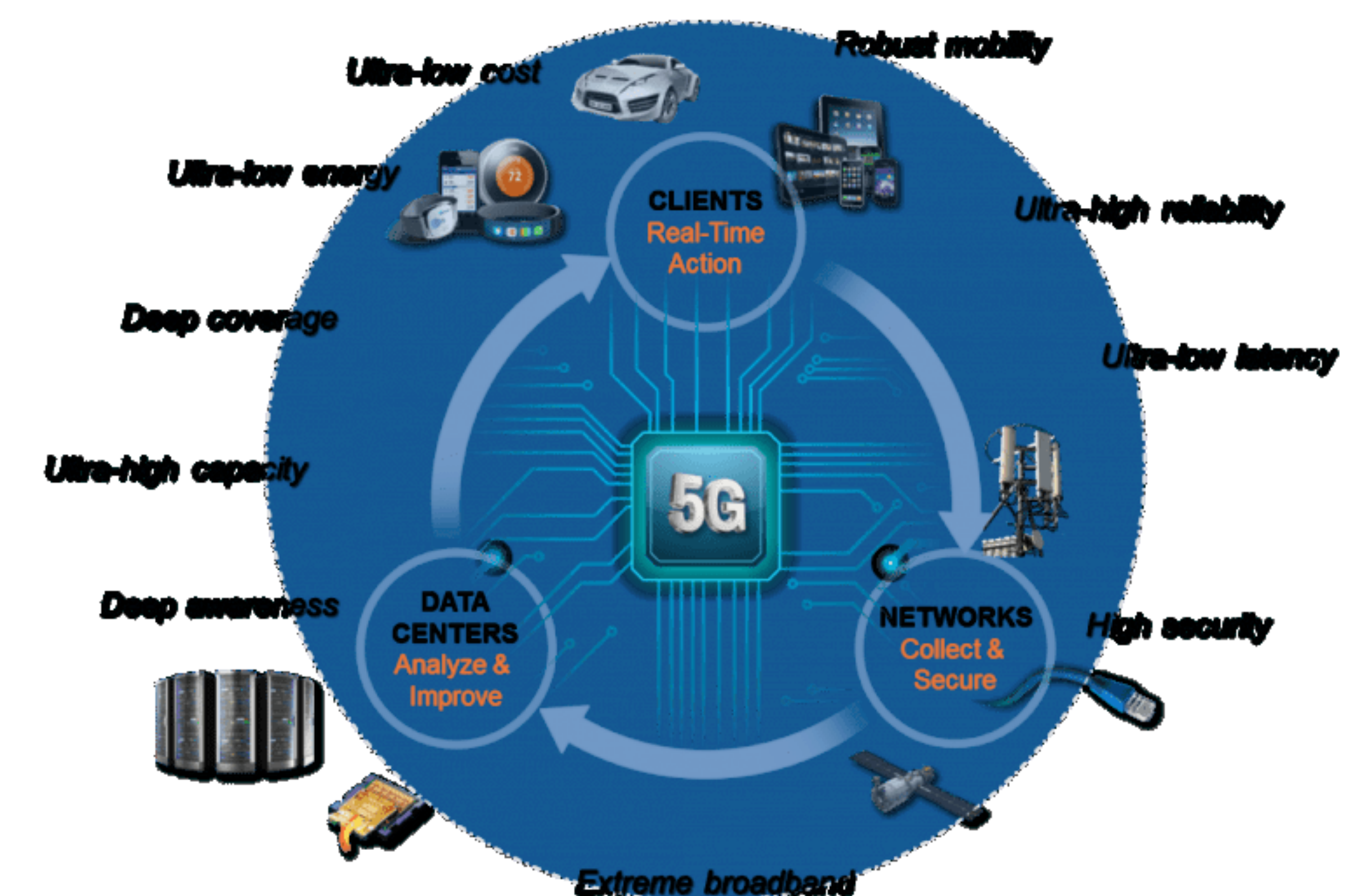
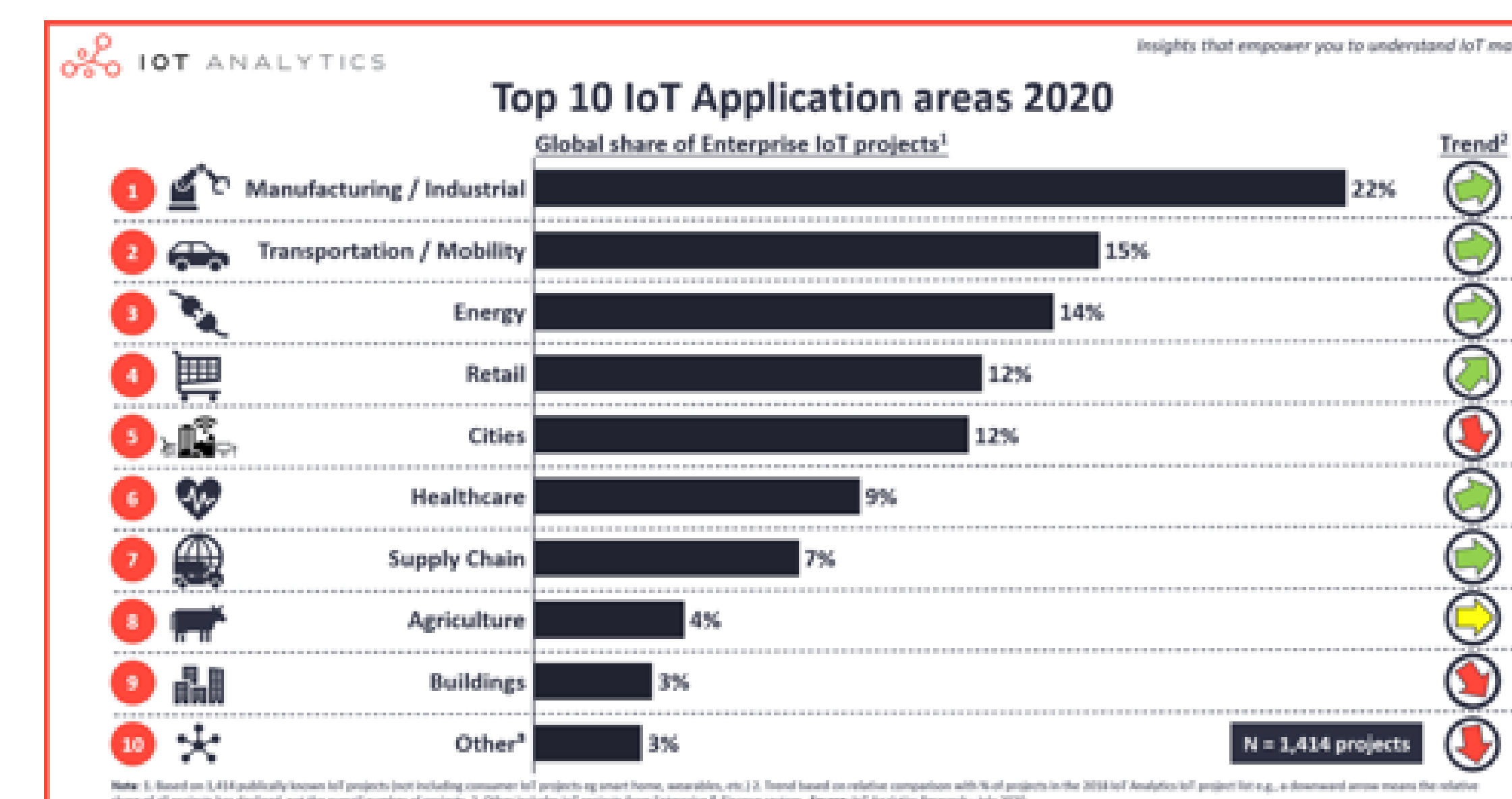
### Electrical Engineers Careers

#### Career Pathways for an Electrical Engineer



### IoT Track

- IoT is a network of networks where a massive number of objects, things, sensors or devices are connected through communications and information infrastructure.
- The aim is to provide value-added services via intelligent data processing and management for different applications.



### Contact

**Dr. Mustafa Shawaqfeh**, Chair, Associate Professor

Office: M 313

Phone: +962 6 4294444, Ext. 4116

Email: [Mustafa.shawaqfeh@giu.edu.jo](mailto:Mustafa.shawaqfeh@giu.edu.jo)

<http://www.gju.edu.jo/content/electrical-engineering-836>