How do information systems help organizations and what are they?

What are the Information systems& technologies today and what does they mean for different organizations and even for us? Information systems are interrelated components working together to collect, process, store, and disseminate information to support decision making, coordination, control, analysis in organizations.

An information system is used by the people in an organization and its customers, because information system can help the people perform their jobs more quickly and effectively by automating routine tasks. Information systems can help people solve problems. One of the major functions of an information system is to help people make decisions in response to problems. Shortly, the information system must support the needs of people who engage in many different organizational activities.

Organizations have different missions and face different problems, they require different kinds of information systems. An information system might have one or more of the following components: a transaction processing system, a management information system, a decision support system, or an expert system.

By implementing modern information systems, large companies expect to make decisions faster, discover hidden business reserves and opportunities, analyze accumulated experience and build forecasts based on expectations. Also IS can help companies to find threats, which is very needed.

Some of the examples of the information system are: TPS (transaction processing system), CDN service, for quick transaction of information by internet, GPS - general position system, GLONASS, Wikipedia - something like electronic encyclopedia, IIS BSUIR, for maintain and monitor studying schedules, rating of students, solving problems with deanery and administration and etc., Google or Yandex searching system – for searching in the internet, Global Internet system – is the most famous one, everybody know and use it; System for detecting defects in production, navigation systems, delivery control system and many, many others.