

Robotics

Robotics is a combination of cse, mechanics,civil, EC engineering.As it involves coding, construction, operation etc

Here comes the point why robotics is important ? It is important to reduce the work of humans.

Coming to history of robots: The first one is the unimet robot.It is started in 1948 completed in 1961, later in second half of 20th century use of robots increased.

Applications: The places where there can be a risk to human life there robot is replaced,like in space,water,heat and hazardous places.

Types of robots

1. Preprogrammed robot : It is a monotype one as it does only one specified work.eg: fridges.
2. Humonoid robot : It is similar or actually like humans but it will not have any feelings and emotions.best example is 'sofia'robot developed by hong-kong based company Hanson robotics.
3. Autonomous robot : It can be worked or operated without human presence.
4. Teleoperated robot : These are operated by humans from far away. Eg: drones
5. Argumented robot : The robots generally enhance capabilities that a person already has or replace capabilities that a person has lost.

Components of robot:

- Power supply: It can be provided by batteries,solar power etc.
- Actuators: These work as elbow joints or hooks.
- Electric motor:(AC/DC) Here these are responsible for rotational movements.
- Sensors:These are needed in robots in order to make sense things.
- Controller: It works as a heart/brain of the robot