

## The Changing Nature of Software

The Seven Broad Categories of Software are challenges for Software Engineers.

- ★ System Software
- ★ Application Software
- ★ Engineering & Scientific Software
- ★ Embedded Software
- ★ Product-line Software

1. System software: It is a collection of program written to service other program  
eg: OS (operating system)

2. Application software: Is a prog or group of programs designed for end users.  
Eg:- Email apps, spread-sheets

3. Engineering & Scientific sw: This sw used to facilitate the engineering func & tasks  
Eg:- CAD

4. Embedded sw: It resides in read-only memory  
- It is used to control products & sys for consumer & industrial markets  
Eg:- GPS devices, factory robots, calculators, modern smart-watches

web applications: It is a client - server computer prog. which the client runs in a web browser.  
eg:- online auctions, webmails . . . .

## 6. Artificial intelligence s/w 1.

m/c learning includes alg that are developed to tell a computer how to respond to something by example.

- It uses a structure as close as possible to human brain.

eg: speech recognition