

Application of Software

The most significant factor in determining which **software Engineering** methods and techniques are most important is the type of **Application** that is being developed.



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Types of Application

• System Software

A Collection of programs written to service other programs.

- Compilers
- Device Driver
- Editors
- File Management

• Application Software or Stand Alone program

It solve a specific Business Need. It is need to control the business functions in Realtime E.g. **point-of-Sale**

- Transaction Processing
- RealTime Manufacturing Control

• Scientific | Engineering Software

Application like based on

Astronomy

Automotive Stress Analysis

Molecular Biology

Volcanology

Space shuttle orbital Dynamics

Automated
Manufacturing

Computer Science Lectures By ER. Deepak Garg



• Embedded Software

These are **Software Control Systems** that control and manage hardware devices.

Eg

- Software in mobile phone
- Software in anti lock braking in car
- Software in Microwave oven to control the cooking process.

• Product line Software

Designed to provide a specific capability for used by many different customers.

It can focus on a limited or Esoteric Marketplace like **Inventory Control products**.

OR address mass markets like

Spreadsheets

Computer Graphics

Multimedia

entertainment

Database Management

Personal

Business Financial Applications

• Web Applications

It is also called "**WebApps**", are evolving into sophisticated computing environment that not only provide **stand Alone Features**, **computing functions**, and content to the end user but also are integrated with corporate **Database** and **Business Applications**.

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• Artificial Intelligence Software

This includes

- Robotics
- Expert Systems
- Pattern Recognition
- (image and voice)
- Artificial Neural Networks
- Game playing
- Theorem proving

It solves complex problems.

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