

Computer 1st Year

New Syllabus 2026

Chapter: 01

Lecture No: 01

**Introduction to Software
Development**

Topic Name:

Software development

What is Software?

- **Software** is a collection of programs, instructions, and data that tells a computer how to perform specific tasks.
- It enables the computer hardware to work and helps users perform different activities such as writing documents, browsing the internet, playing games, and managing data.

Examples of Software

- Microsoft Word
- Google Chrome
- Windows Operating System
- Adobe Photoshop
- WhatsApp



Types of Software

- **System Software**
- **Application Software**

System Software

- Manages and controls computer hardware (e.g., Windows, Linux).



Application Software

- Helps users perform specific tasks (e.g., MS Word, Excel, PowerPoint).



Definition of Software Development:

- Software development is the process of writing computer programs that are designed to perform specific tasks.
- It includes activities such as designing, writing code, testing, debugging, and maintaining software.
- The goal is to convert user needs into working software solutions using suitable tools and techniques.

Importance of Software Development:

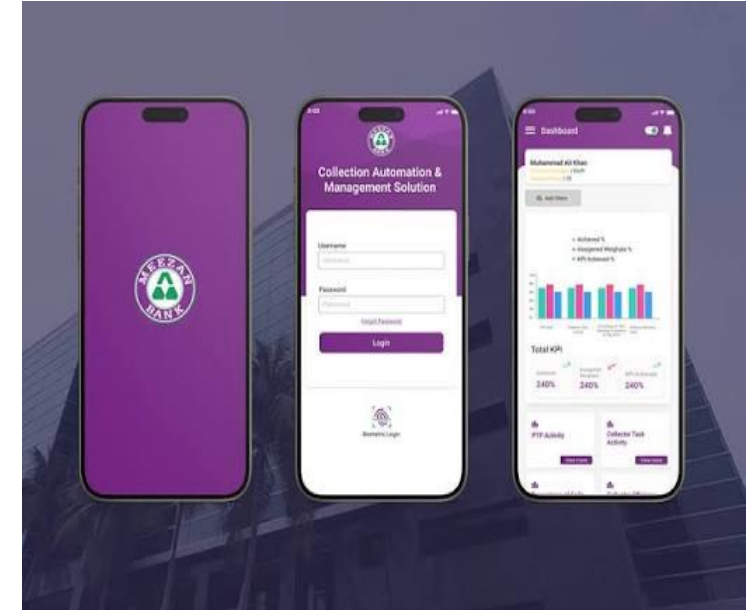
- **1. Solves Real-World Problems**
- **2. Improves Efficiency and Productivity**
- **3. Enhances Communication**
- **4. Supports Learning and Innovation**
- **5. Boosts Business Growth**
- **6. Enables Digital Transformation**

1. Solves Real-World Problems

Software is used to solve problems in almost every field such as health, education, business, and communication.

Example Solves Real-World Problems

- Banking apps are used to manage money
- Educational software is used for learning.



2. Improves Efficiency and Productivity

- The same task which is to be done again and again is called repetitive tasks.
- Software performs repetitive tasks automatically.
- It also increases accuracy and speed in performing repetitive tasks.

3. Enhances Communication

- Software such as social media platforms and messaging apps are used for the exchange of information.



- They make it easy to connect anywhere in the world.

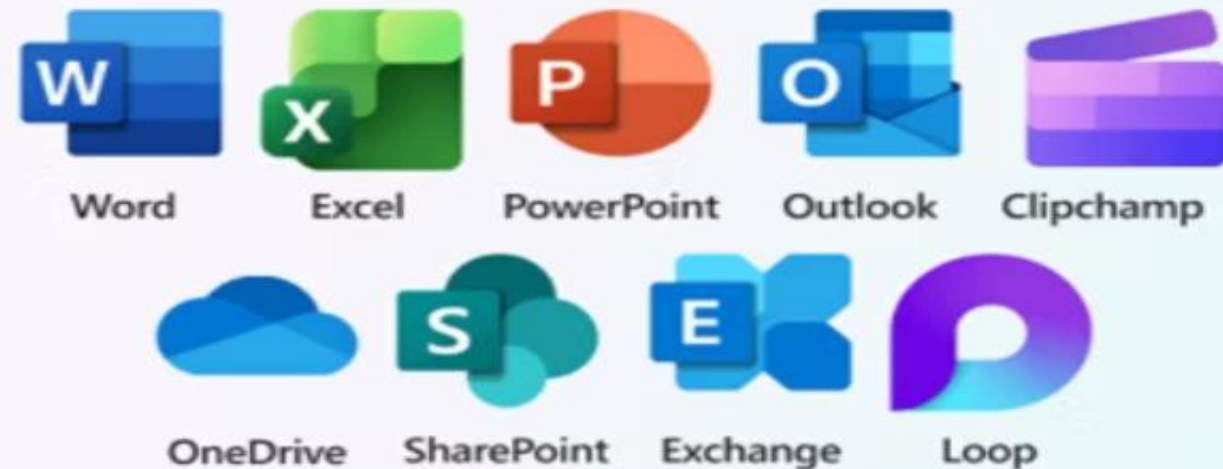
4. Supports Learning and Innovation

- Software provides systems for It encourages innovation by providing a platform to create new technologies.



5. Boosts Business Growth

- Businesses use customized software for inventory, sales, customer service, and planning.
- These software systems also help in decision-making through data analysis.



6. Enables Digital Transformation

- Governments, schools, and companies are using digital systems.
- This transition improves service delivery and transparency.



Allah Hafiz

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