

Dear Parents / Students

Due to the unprecedented situation, Knowledgeplus Training center is mobilized and will keep accompanying and supporting our students through this difficult time.

Our Staff will be continuously, **sending notes and exercises on a weekly basis** through **what's app and emails**. Students are requested to **copy the notes and do the exercises** on their copybooks.

The answers to the questions below will be made available on our website on [knowledgeplus.mu/support.php](https://knowledgeplus.mu/support.php)

Please note that these are extra work and notes that we are providing our students and **all classes will be replaced during the winter vacation.**

We thank you for your trust and are convinced that, together, we will overcome these troubled times

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## **Proficiency of Software package – Week 4**

### **Feasibility Study**

A feasibility study is a detailed analysis of a company and its operations that is conducted in order to predict the results of a specific future course of action. Small business owners may find it helpful to conduct a feasibility study whenever they anticipate making an important strategic decision like implementing a computerized solution.

The importance of Feasibility Study

The importance of a feasibility study is based on organizational desire to “get it right” before committing resources, time, or budget.

**Below are some key benefits of conducting a feasibility study:**

- Improves project teams' focus
- Identifies new opportunities
- Provides valuable information for a “go/no-go” decision
- Narrows the business alternatives
- Identifies a valid reason to undertake the project
- Enhances the success rate by evaluating multiple parameters
- Aids decision-making on the project
- Identifies reasons not to proceed

## Types of Feasibility Study

### 1. Technical Feasibility

This assessment focuses on the technical resources available to the organization. It helps organizations determine whether the technical resources meet capacity and whether the technical team is capable of converting the ideas into working systems. Technical feasibility also involves the evaluation of the hardware, software, and other technical requirements of the proposed system.

### 2. Financial Feasibility

This assessment typically involves a cost/ benefits analysis of the project, helping organizations determine the viability, cost, and benefits associated with a project before financial resources are allocated. It also serves as an independent project assessment and enhances project credibility—helping decision-makers determine the positive economic benefits to the organization that the proposed project will provide.

### 3. Legal Feasibility

This assessment investigates whether any aspect of the proposed project conflicts with legal requirements like zoning laws, data protection acts or social media laws. Let's say an organization wants to construct a new office building in a specific location. A feasibility study might reveal the organization's ideal location isn't zoned for that type of business. That organization has just saved considerable time and effort by learning that their project was not feasible right from the beginning.

### 4. Operational Feasibility

This assessment involves undertaking a study to analyze and determine whether—and how well—the organization's needs can be met by completing the project. Operational feasibility studies also examine how a project plan satisfies the requirements identified in the requirements analysis phase of system development

### 5. Schedule Feasibility

This assessment is the most important for project success; after all, a project will fail if not completed on time. In scheduling feasibility, an organization estimates how much time the project will take to complete.

## Theory Questions

1. Fill in the blanks with the appropriate words given in the box below.

ATM	E-Banking	Virus	E-learning
E-Register	Telecommuting	Antivirus	Phishing

- a) A/an .....is a self-service banking machine attached to a computer through a network.
- b) A/an ..... software is a program that will detect and remove computer virus.
- c) .....allows an employee to work from home.
- d) .....makes use of the internet resources for learning purposes instead of traditional classroom instructions.
- e) ..... is an important problem in e-banking as customers need to be aware of fake emails arriving in their inbox.

2. Tick True or False next to each of these statements.

	True	False
A dot matrix printer uses a ribbon with a print head and a number of pins to print a document		
Another term for output is scanning		
Thin film Transistor is a type of plotter		
The speed of the inkjet printer is measured in pages per minutes.		
You can see the dots very clearly in near letter quality print.		

3. State the characteristics of dot matrix and laser printers. Discuss the advantages and disadvantages in using each type of printer.

Printer	Dot Matrix	Laser
Characteristics		
Advantages		
Disadvantages		

4. **Considering a traditional 12-volume set of encyclopedia and a CD-ROM version of the same encyclopedia.**
  - a) Give two advantages of the CD-ROM version.
  - b) Give two advantages of the traditional book version.
  
5. **One of the biggest security problems for the travel agency comes from hackers who may introduce viruses into the system.**
  - a) What is a virus?
  - b) Describe any two effects of viruses.
  - c) State two measures that can be used to prevent virus attacks.
  
6. **Define the following terms:**
  - a) Program
  - b) Peripheral
  - c) Pixels