

Module: Information Systems, 2nd Year Bachelor's Degree in computer science

Tutorial N 3: Information circuit

Exercise 01

Establish the information circuit of a commercial company from the response to a call for tender to the product invoicing.

Steps:

1. The commercial service sends the price list to the clients.
2. Clients send purchase orders to the commercial service.
3. The commercial service approves the purchase orders and sends them to the accounting and delivery services.
4. The delivery service sends the delivery note for the products to the clients and the accounting service.
5. The accounting service sends the invoice to the clients.

Exercise 02

To obtain a copy of the work certificate, the employee approaches the personal service to submit a request containing personal information. The employee checks the employee's records. If no error is found, they prepare a copy of the work certificate and send it to the dean of the faculty for signature. After retrieving it, the certificate is handed over to the concerned employee. If an error is detected, the personal service employee drafts a response and hands it over to the concerned employee so that they can initiate a procedure to correct the file data.

Question: Establish the information Circuit of this system.

Exercise 03

Sometime after its opening, the restaurant ***La Patate Dorée*** continues to gain popularity, so much so that the manager of the establishment wants to revise the order management process. After defining the activities of the process, he needs to model the information system for this process.

Additionally, the restaurant manager wants the information system to also account for sales and support inventory management, in the form of management reports.

The activities of the process are described as follows:

- The client places an order, which is transmitted to the kitchen in the form of a purchase order.
- An invoice is then given to the client.
- The manager receives daily reports on sold products and inventory.

Question: Based on the identified process activities, establish the information circuit of this system.

Exercise 4

Establish the information circuit of the company's billing process, specifying the different types of flows involved. The services concerned are:

- **The Sales service:** After receiving the client's order, it handles the delivery of the goods.
- **The Client:** Upon receiving the goods, the Client confirms receipt using the delivery receipt.
- **The Financial and Accounting Department (FAD):** It receives a copy of the delivery note issued by the Sales service, generates the invoice, and sends a copy to the client, who then proceeds with the payment for the purchased goods.