

# Timberline technology

Technology



TimberlineTechnology

Ans-8

Locations

Northern California, Upper Midwest, six sales locations

Units

Northern California – Manufacturing unit, information system for inventory management

Upper Midwest –Finance, Accounting, HR, and Information Systems for payroll & accounts

Six Cities – Sales offices

Functions

Planning; Research & Development; Manufacturing; HR management; Accounts management; Payroll management; Information system management; Supply and Distribution; Procurement; Inventory management; Sales

Processes

R&D; Manufacturing; Procurement; Supply and Distribution; Payments; Information system implementation

Data Entities

Customer; Product; Supplier; Raw material; Machines; Order; Manufacturing location; workers

Information Systems for the Company

Information system is required for the company to;

Manage the inventories

Manage the HR

Manage the payrolls

Manage the accounts receivable and payables

Ans-9:

Planning Matrix for Function-to-Data Entity

Data Entity

Functions

Customer

Product

Supplier

Raw Material

Machines

Order

Factory

Workers

Management

Manufacturing

1. R&D

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X

X

## 2. Productions planning

X

X

X

## 3. Scheduling

X

X

X

X

## 4. Fabrication of circuits

X

X

X

X

X

X

X

## 5. Finishing of circuits

X

X

X

X

X

X

X

## 6. Packaging of circuits

X

X

X

X

X

X

X

X

X

## Accounting and Finance

### 1. Budgeting

X

X

X

X

X

X

X

### 2. Accounts payable

<https://assignbuster.com/timberline-technology/>

X

X

X

X

X

X

### 3. Accounts receivable

X

X

X

X

X

X

### 4. Salaries

X

X

## Marketing and Sales

### 1. Marketing Research

X

X

X

### 2. Marketing Communication

X

X

X

### 3. Order Preparation

X

X

X

X

X

X

X

### 4. Distribution

X

X

X

X

X

### Planning Matrix for Process-to-Data Entity

Data Entity

Process

Customer

Product

Supplier

Raw Material

Machines

Order

Factory

Workers

Management

Manufacturing

1. R&D

X

X

2. Scheduling

X

X

X

X

3. Fabrication and finishing of circuits

X

X

X

X

X

X



X

## Accounting and Finance

### 1. Budgeting

X

X

X

X

X

X

X

## Marketing and Sales

### 1. Marketing Research

X

X

X

### 2. Marketing Communication

X

X

X

## Planning Matrix for Process-to-Information Systems

### Information Systems

Process

CAD

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CAM

Payroll Processing

Accounting System

Inventory Management

Manufacturing

1. R&D

X

X

2. Scheduling

X

X

3. Fabrication and finishing of circuits

X

X

X

Accounting and Finance

1. Budgeting

X

X

X

X

Marketing and Sales

## 1. Marketing Research

X

X

## 2. Marketing Communication

X

X

## Planning Matrix for Data Entity-to-Information Systems

### Information Systems

#### Data Entity

CAD

CAM

Payroll Processing

Accounting System

Inventory Management

Customer

X

#### Product

X

X

X

X

Raw Material

X

X

Supplier

X

X

Machines

X

X

X

Order

X

X

X

Factory

X

X

X

Worker

X

X

Management

X

X

X

X

X

NOTE: The following information systems not listed in the case are likely to be required for efficient operations at Timberline;

- i. Manpower planning and recruitment
- ii. Marketing Information System
- iii. Transaction Processing System
- iv. Decision Support System
- v. Management Information System