

# [Timberline technology](https://assignbuster.com/timberline-technology/)

[Technology](https://assignbuster.com/essay-subjects/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

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
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. MarketingCommunication
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
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