

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

[](https://assignbuster.com/)[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