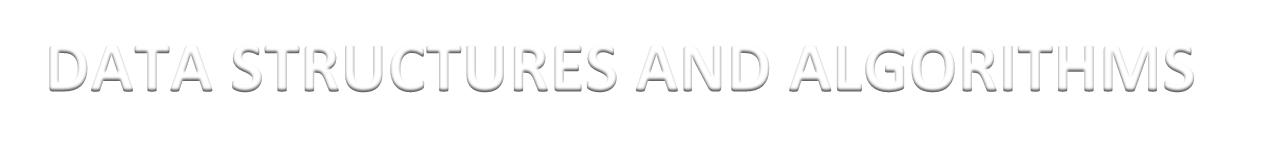


**REVIEW-III**

MANAGEMENT OF WORKING SECTOR IN MANUFACTURING INDUSTRY

CSE2003



TEAM MEMBERS

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DECLERATION

We hereby declare that the project entitled **“MANAGEMENT OF WORKING SECTOR”** submitted by us to the **Technology Information Forecasting and Assessment council(TIFAC)**, VIT University, Vellore- 14 in partial fulfilment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering** is a record of bona fide work carried out by us under the supervision of **Dheeba.J, Associate Professor.** I further declare that the work reported in this project has not been submitted and will not be submitted, either in part or in full, for the award of any other degree or diploma of this institute or of any other institute or university.

# Technology Information Forecasting and Assessment council (TIFAC)

## CERTIFICATE

The project report entitled “**SHORTEST PATH**” is prepared and submitted by **Candidates. Syed Afzal Ahammed (18BCE0038) AND Kolli Siddhartha Reddy(18BCE2234).** It has been found satisfactory in terms of (TIFAC), quality and presentation as partial fulfilment of the requirements for the award of the degree of **Bachelor of Technology in Computer Science and Engineering** in VIT University, India.

***Guide***

**(Name & Signature)**

ACKNOWLEDGEMENT

We would like to express our special thanks of gratitude to our professor **Dheeba.J** who gave us the golden opportunity to do this wonderful project on the topic **“MANAGEMENT OF WORKING SECTOR”** which also helped us in doing a lot of Research and We came to know about so many new things We are really thankful to him. Secondly, we would also like to thank our parents and friends who helped us a lot in finalizing this project within the limited time frame.

Abstract:

1. See the date of joining and leaving of an employee
2. Number of days worked by an employee
3. Number of leaves applied
4. Working sector can be categorized into different components, design, processing etc.
5. See the balance payment & check the small loans taken by workers
6. All transactions are recorded
7. salary of the employee
8. here we can update the already enter details of an employee
9. we can delete the details of the employee at any position in stored in node of the linked list
10. every time we can check all worker details and we can see how many workers are there?

Data Structures used:

1. Generally, we will use linked list as it is very flexible, dynamic structure in which elements can be added or removed
2. Here, new space is allocated for each entry of new node by the variable “Temp”
3. We will also use different sorting techniques based on their date of joining and the department in which they are working
4. We may also use search operation to find entered names
5. We have done this project in c language
6. Here we will define a structure
7. Here we will use the conditional statements like
   1. If else
   2. Switch
   3. Do while

**DESCRIPTION**

 Here first we create a structure like

 Struct worker {

 };

 In this structure we must define all the inputs like worker details.

 Our worker details will be like

 The ID-number of the worker

 Name of worker

 Age

 Salary

 Sector (means the field which he belongs to)

 Experience

 We can update the details

 Generally, we will use linked list, because it is very flexible dynamic data structure in which the element can be added or removed

 The worker details that we are going to insert will be stored in linked list as node

 Here, new space is allocated for each entry (node)

 We also use some operations like

 1) INSERT (for inserting details of workers)

 2) DELETE (for deleting of any details)

 3) DISPLAY (to display)

 4) SEARCH (for searching by any name)

 5) NO. OF WORKERS

 6) EXIT

 7) UPDATE THE DETAILS OF THE EMPLOYEE

 We must define each operation separately

 Void insert ()

 Void delete ()

 Void display ()

 Void search ()

 No. of workers

 Exit

 Update or Rename

 Here you must tell whether you are going to insert, delete

, display, or etc.

 Output will be depending upon the key you given

 Every time whatever the operation is going to done, that occurs in the linked list because all our data is stored in that in form of nodes

 We are doing this project in c language

### CODING IMPLEMENTATION

Software Used: Code blocks

C-CODE:

#include<stdio.h> #include<stdlib.h> #include<string.h>

struct worker/\*usedtodefineinformationofeachworker\*/

{

int id\_no;

char name[20]; int amount; char sector[20]; char month[20];

struct worker\* link;

printf("enter the

idnumber:");/\*idorregistrationnumberofeachworker\*/ printf("\n");

printf("enter the name:"); printf("\n");

work:");/\*amountearnedbyworkerafterworking\*/

for

received

amount

the

printf("enter

printf("\n");

printf("enter the sector in which the person is working:"); printf("\n");

printf("enter the joining month:"); printf("\n");

scanf("%d%s%d%s%s",&temp->id\_no,&temp->name,&temp-

>amount,temp->sector,temp->month);

temp->link=NULL;/\*nodeconnectionbymakinguseofa\*/

/\*while(temp!=NULL)

{

printf("%d\t%s\t%d\t%s\t%s\t\n",temp->id\_no,temp->name,temp-

>amount,temp

->sector,temp->month);

temp=temp->link;

}\*/

if (root==NULL) root=temp;

else

{

struct worker \*t; t=root;

while (t->link!=NULL)

{

t=t->link;

}

t->link=temp;

}

}

int number\_of\_workers()/\*countingnumberofworkers\*/

{

struct worker\*p; p=root;

int count=0;

while(p->link!=NULL)

{

p=p->link;count=count+1;

}

return (count+1);

}

void delete1()

{

struct worker\*temp;

temp=root;

int len=number\_of\_workers(); int loc,i=0;

printf("enter the worker location to be removed:"); scanf("%d",&loc);

if(root==NULL)

{

printf("the list is empty");

}

else if(loc>len)

{

printf("invalid input");

}

else if(loc==1)

{

root=temp->link; temp->link=NULL; free(temp);

}

else

{

struct worker\*p,\*q;p=root; while(i<loc-2)

{

p=p->link; i++;

}

p->link=(p->link)->link;

}

}

void display()

{

struct worker \*temp; temp=root;

while(temp->link!=NULL)

{

printf("%d\t%s\t%d\t%s\t%s\t\n",temp->id\_no,temp->name,temp-

>amount,temp->sector,temp->month); temp=temp->link;

}

printf("%d\t%s\t%d\t%s\t%s\t\n",temp->id\_no,temp->name,temp-

>amount,temp->sector,temp->month);

}

void update()

{

int n,ch;

printf("Enter the id of the employee whose details are to be updated: ");

scanf("%d",&n); struct worker \*temp; temp=root;

while(temp->id\_no!=n) temp=temp->link;

printf("Following are the details that can be updated:-\n1. name\n2. amount\n3. sector\n4. month\n Enter your choice(1-4): "); scanf("%d",&ch);

switch(ch)

{

case 1: {

char nam[20];

printf("Enter the new name: "); scanf("%s",nam);

strcpy(temp->name,nam); break;}

case 2:{ int a;

printf("Enter the new amount: "); scanf("%d",&a);

temp->amount=a; break;}

case 3:{

char nam[20];

printf("Enter the new sector: "); scanf("%s",nam);

strcpy(temp->sector,nam); break;}

case 4:{

char nam[20];

printf("Enter the new month: "); scanf("%s",nam);

strcpy(temp->month,nam); break;}

default: printf("Wrong choice!\n"); break;

}

}

void search()/\*searchingabouttheworkerinthelistthroughhisname\*/

{

struct worker \*temp; char person[20];

printf("Enter the name to be searched: "); scanf("%s",person);

temp=root;

while(strcmp(person,temp->name)!=0)

{

temp=temp->link;

}

printf("%d\t%s\t%d\t%s\t%s\t\n",temp->id\_no,temp->name,temp-

>amount,temp->sector,temp->month);

}

int main()

{

int ch,len; do

{

printf("1.insert\n2.delete\n3.display\n4.number\_of\_workers\n5.sear ch\n7. update details\n6.Exit\n");

printf("enter your choice between (1-6):"); scanf("%d",&ch);

switch(ch)

{

case 1:

insert(); break; case 2: delete1();

break; case 3:

display(); break; case 4:

len=number\_of\_workers();

printf("the no of workers is %d\n",len); break;

case 5:

search();

case 6: return 0; break;

case 7:

update(); break; default:

printf("give valid input\n"); break;

}

}while(ch!=6);

}

# OUTPUTS:

