

A Micro Project Report

on

Problem Solving using C Language

Submitted by
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**NARASARAOPETA ENGINEERING COLLEGE: NARASARAOPET
(AUTONOMOUS)**

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AICTE, New Delhi, Permanently affiliated to JNTU Kakinada, Approved by AICTE,**

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Palnadu(Dt.), Andhra Pradesh, India**

2024-2025

NARASARAOPETA ENGINEERING COLLEGE: NARASARAOPET
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that **Sripathi Bhargav gopi** , **Roll No: 23471A05EU**, a Second Year Student of the Department of Computer Science and Engineering, has completed the Micro Project Satisfactorily in “Problem Solving using C Language” for the Academic Year 2024-2025..

Project Co-Ordinator
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Professor

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S.No	Description
1.	Develop micro project on login and registration system.

Registration And Login

AIM:

Develop micro project on login and registration system.

```
#include<stdio.h>
#include<string.h>
#define max 100

struct user
{
char username[max];
char password[max];
};
void registrationuser()
{
struct user user;
FILE*fp;
printf("enter username:");
scanf("%s",user.username);
printf("enter password:");
scanf("%s",user.Password);
fp=fopen("users.text","a");
if (fp==NULL)
{
printf("error opening file\n");
return;
}
fwrite(&user,sizeof(structuser),1,fp);
fclose(fp);
printf("registration successful\n");
}
void loginuser()
{
Struct user user,fileuser;
```

```

FILE*fp;
int found=0;
printf("enter username:");
scanf("%s",user.username);
printf("enter the password:");
fp=fopen("users.text","r");
if(fp==NULL)
{
printf("error opening file:");
return;
}
while(fread(&fileuser,sizeof(structuser),1,fp))
{
if((strcmp(fileuser.username,user.username)==0&&strcmp(fileuser.
password,user.password)==0))
{
found=1;
break;
}
}
fclose(fp)
;
if (found)
{
printf("
login
successfu
\n");
}
else
{
Printf ("invalid username or password");
}
}
int main()
{
int choice;
while(1)
{

```

```

printf("login and registration
system\n");
printf("1.register\n");
printf ("2.login\n");
printf("3.exit\n");
printf("enter your choice:");
scanf("%d",&choice);
switch(choice)
{
case 1:
registeruser();
break;
case 2:
loginuser();
break;
case 3:
printf("exiting\n");
return 0;
default:
printf("invalid choice please try again\n");
}
}
Return 0;
}

```

Ouput:

Login and registration system

1. Register

2. Login

3. Exit

Enter your choice: 1

Enter username:bhargav

Password:5335

Registration successful

Login and registration system

1. Register

2. Login 3. Exit

Enter your choice: 2

Enter username:bhargav
Password: 5335
Login success full
Login and registration system
1. Register
2. Login
3. Exit
Enter your choice: 3
Exiting...

Ouput:

--- Login and Registration System ---

1. Register

2. Login

3. Exit

Enter your choice: 1

Enter username: bhargav

Enter password: 5335

Registration successful!

--- Login and Registration System ---

1. Register

2. Login

3. Exit

Enter your choice: 2

Enter username: bhargav

Enter password: 5335

Login successful!

--- Login and Registration System ---

1. Register

2. Login

3. Exit

Enter your choice: 3

Exiting...

[Process completed - press Enter]

