

# **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)**

**Accredited by NAAC with A+ Grade and NBA under Tier-1**

**NIRF rank in the band of 201-300 and is an ISO 9001:2015 certified Approved by  
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Accredited by NBA and accredited 'A+' grade by NAAC Narasaraopet-522601,  
Palnadu(Dt.), Andhra Pradesh, India**

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**NARASARAOPETA ENGINEERING COLLEGE: NARASARAOPET**  
**(AUTONOMOUS)**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

This is to certify that **Tammineni Soujanya**, **Roll No: 23471A05D4**, 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..

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1.	Develop a c program on super market billing system

## SUPER MARKET BILLING SYSTEM

AIM:

Develop a c program on super market billing system

```
#include <stdio.h>

int main()
{
    int choice, quantity;
    float total = 0;
    char itemName[100];

    do
    {
        printf("\nSupermarket Billing System\n");
        printf("1. Add Item\n");
        printf("2. Display Bill\n");
        printf("3. Exit\n");
        printf("Enter your choice: ");
        scanf("%d", &choice);

        switch (choice)
        {
            case 1:
                printf("Enter item name: ");
                scanf(" %[^\n]", itemName);
                printf("Enter quantity: ");
                scanf("%d", &quantity);
                printf("Enter price per unit: ");
                float price;
                scanf("%f", &price);
                total += quantity * price;
                printf("Item added successfully!\n");
                break;

            case 2:
                printf("\nBill Details:\n");
                printf("Item Name\tQuantity\tPrice\n");
```

```
        printf("%s\t%d\t%.2f\n", itemName, quantity, quantity * price);
        printf("Total: %.2f\n", total);
        break;

    case 3:
        printf("Exiting...\n");
        break;

    default:
        printf("Invalid choice. Please choose again.\n");
    }
} while (choice != 3);

return 0;
}
```

INPUT 1:

Enter your choice:1

Enter item name:ghee

Enter quantity:100gm

Enter price per unit:7/-

OUTPUT 1:

Item added successfully!

INPUT 2:

Enter your choice:3

OUTPUT:

Exiting....

Supermarket Billing System

1. Add Item

2. Display Bill

3. Exit

Enter your choice: 1

Enter item name: chocolate

Enter quantity: 2

Enter price per unit: 10

Item added successfully!

Supermarket Billing System

1. Add Item

2. Display Bill

3. Exit

Enter your choice: 3

Exiting---

[Process completed - press Enter]

