TV SUBSCRIPTION MANAGEMENT SYSTEM

A minor project report submitted to

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ABSTRACT

The TV Subscription Management System is a computerized application designed to simplify and automate the process of managing television subscriptions for customers. The system enables users to easily subscribe to various TV packages such as Basic, Silver, and Gold, according to their preferences and budget. It helps service providers efficiently handle customer information, plan details, payments, and renewal reminders.

<u>PROBLEM STATEMENT</u>

Design a C program to simulate a TV subscription management system for a local service provider. The program should allow users to choose from three subscription plans—Basic, Silver, and Golden—each having different monthly rates and channel offerings. Users must be able to input their subscription duration in months. The program will calculate the total subscription bill based on the selected plan and duration, applying a discount of 5% for 6 months and 10% for 12 months subscriptions. It should also handle invalid choices or inputs gracefully and display the final bill clearly. This program aims to provide a simple, interactive billing management system for TV subscriptions with discounts based on subscription length

1.ALGORITHEM

1. Display subscription plans and available discounts.

2. Prompt user to select a plan (1: Basic, 2: Silver, 3: Golden).

3. Read user's choice.

4. If the choice is 1, 2, or 3:

   → Prompt user to enter the number of months.

   → Read the number of months.

   → If choice is 1, set rate = 150.

   → If choice is 2, set rate = 250.

   → If choice is 3, set rate = 400.

   → Calculate bill = rate × number of months.

   → Display the initial bill amount.

   → If months is 6:

      → Calculate discount = 5% of bill.

      → Subtract discount from bill.

      → Display the discounted bill.

   → Else if months is 12:

      → Calculate discount = 10% of bill.

      → Subtract discount from bill.

      → Display the discounted bill.

   → Else:

      → Display "no discount" message.

5. Else:

→ Display "no discount" message.

6. Else:

   → Display "Please select a valid choice" message.

7. Display a thank-you message.

8. End

2.PSEUDO CODE.

Display menu options

Read Choice

If Choice is 1 or 2 or 3 then

Read Months

If Choice == 1 then

 Bill ← 150 × Months

Else If Choice == 2 then

 Bill ← 250 × Months

Else

Bill ← 400 × Months

End If

If Months == 6 then

 Bill ← Bill-(Bill × 5/100)

Else If Months == 12 then

 Bill ←Bill-(Bill ×10/100)

End If

Print Bill

Else

3.SOURCE CODE.

```c
#include<stdio.h>

int main()

{

    int choice ,bill ,months;

    printf("___ AP TV SUBSRIPTION MANAGEMENT SYSTEM___\n");

    printf("1.Basic plan(₹150/month)100-channels (Etv,Tv9 Telugu, zee news   .No HD channels ,only  Telugu  and few English  channels)\n");

    printf("2.silver plan(₹250/month)180-channels(basic plan +sports +kids +movie channels  ,Few HD channels ,Telugu English ,Hindi  channels\n");

    printf("3.Golden plan(₹400/month)250+-channels( silver plan +premium HD and movies +music +OTT Access(Disney +Hotstar  Basic)\n");

    printf("If you choose 6 months .Discount has 5%  \n ");

    printf("If you choose 12 months   .Discount has 10% \n");

    printf("choose choice:");

    scanf("%d", &choice);

    if(choice<=3)

{

    printf("Enter Number OF Months:");

    scanf("%d",  &months);

    if(choice==1)

    {

        printf("Thank you  For choosing Basic plan\n");

        bill=150*months;

        printf(" Your  Bill for %d Months is₹%d\n",  months ,bill);

    }

    else if(choice==2)

    {

        printf("Thank you  For  choosing Silver plan\n");

        bill=250*months;
```

```c
        printf(" Your  Bill for %d Months is₹%d\n", months ,bill);
    }
    else if(choice==3)
    {
        printf("Thank you  For choosing Golden plan\n");
        bill=400*months;
        printf("  Your   Bill for %d Months is₹%d\n", months ,bill);
    }
    else
    {
        printf("Thank You for using  AP TV SUBSRIPTION MANAGEMENT SYSTEM");
    }
}
else
{
    printf("please Select one choice above three ");
}
    if(months==6)
    {
        printf("Discount is5%  \n");
        bill=bill-(bill*5/100);
        printf("Your bill is %d\n", bill);
    }
    if(months==12)
    {
        printf("Discount is10%  \n");
        bill=bill-(bill*10/100);
        printf("Your bill is %d\n", bill);
```

```c
        }
        else
        {
            printf("This plan has no Discount ");
        }
    return 0;
}
```

THE END.