MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

(SESSION: 2021 - 2023)

SOFT SKILLS BASED MINI PROJECT REPORT

ON

"AGE CALCULATOR"

Submitted By:-

DEWANSH MISHRA

0901CA211023

Mentor:-

DR. ANSHU CHATURVEDI

(Professor)

DEPARTMENT OF COMPUTER SCINCE & ENGINEERING

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

GWALIOR- 474005(MP) est. 1957

July- December 2021

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

CERTIFICATE

This is certified that **Dewansh Mishra (0901CA211023)** has submitted the project report titled on problem of "**AGE CALCULATOR"** under the mentorship of **Dr. Anshu Chaturvedi (Professor)** as the skill based mini project in 1st year of Master of Computer Application is Computer Science and Engineering From MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**.**

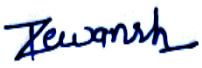
Dr. Anshu Chaturvedi
(Professor)
Computer Science and Engineering

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

DECLARATION

I hereby declare that the work being presented in this project report, for the fulfilment of partial requirements of the skill based mini project in 1st year of Master of Computer Application is Computer Science and Engineering at MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR is an authenticated and original record of my work under the mentorship of **Dr. Anshu Chaturvedi,** (Professor), MITS Gwalior.

I declare that I have not submitted the matter embodies in this report anywhere else.



Dewansh Mishra
0901CA211023
1st Year,
Master of Computer Application,
Computer Science and Engineering

ACKNOWLEDGEMENT

The full semester project has proved to be pivotal to my career. I am thankful to my institute, **Madhav Institute of Technology and Science** to allow me to continue my disciplinary project. I extend my gratitude to the Director of the institute, Dr. R. K. Pandit and Dean Academics, Dr. Manjaree Pandit for this.

I would sincerely like to thank my department, Department of Computer Science and Engineering, for allowing me to explore this project. I humbly thank Dr. Manish Dixit, Professor and Head, Department of Computer Science and Engineering, for his continued support during the course of this engagement, which eased the process and formalities involved.

I am sincerely thankful to my faculty coordinator. I am grateful to the guidance of Dr. Anshu Chaturvedi. (Professor) , Computer Science and Engineering, for his continued support and guidance throughout the project. I am also very thankful to the faculty and staff of the department.

Dewansh Mishra
0901CA211023
1st Year,
Master of Computer Application,
Computer Science and Engineering

ABSTRACT

An age calculator is a tool that calculates a person's age based on their birthdates. It can be used to determine a person's age in years, months, and days, or to calculate the number of days, months, or years between two dates. Age calculators can be used for a variety of purposes, such as calculating age for official documents, creating age-based statistics, and helping with age-related calculations for retirement planning or age-based discounts. They are often found in the form of an online calculator or a software application that can be downloaded and used on a computer or mobile device. Some age calculators also have additional features such as the ability to determine the zodiac sign or Chinese zodiac based on a person's birthdates.

CONTENTS

Introduction

An age calculator is a tool that is used to determine a person's age based on their birthdates. It can be used to calculate the number of days, months, or years between two dates, as well as determining the date of birth or age at a future or past date. Age calculators can be found in various forms, including online calculators, software programs, and mobile apps. They are often used for a variety of purposes, such as creating age-based statistics or demographics, verifying a person's age for legal or other official purposes, and assisting with age-related calculations, such as retirement planning or age-based discounts.

Age calculators can also be used as an educational tool for children, to help them understand and visualize the concept of time and their own age. Overall, age calculators are simple but useful tool for handling date and time calculations.

Objectives of Age calculator

The objectives of an age calculator can vary depending on the specific use case. However, some common objectives of an age calculator include:

- Determining a person's age based on their birthdates.
- Calculating the number of days, months, or years between two dates.
- Determining the date of birth or age at a future or past date.
- Creating age-based statistics or demographics.
- Helping to verify a person's age for legal or other official purposes.
- Helping with age-related calculations, such as retirement planning or age-based discounts.

.

Coding

```
#include <stdio.h>
#include <stdlib.h>
Int main ()
{
   Int d1,d2,m1,m2,y1,y2;

        Printf (" \n\t\t\t|-| AGE CALCULATOR |-|\n");
        Printf ("\n\t Enter your date of birth: - \n\n");
        Printf ("\t Day ");
        Scanf ("%d",&d1);
        Printf ("\t Month ");
        Scanf ("%d",&m1);
        Printf ("\t Year ");
        Scanf ("%d",&y1);

        printf ("\n\t Enter Today's date  :- \n");
        printf("\t Day ");
        scanf("%d",&d2);
        printf("\t Month ");
        scanf("%d",&m2);
        printf("\t Year ");
        scanf("%d",&y2);

        If (d1==d2 && m1==m2)
        {
           printf("Happy birthday");
        }
        if(d2>=d1)
```

```
        {
           d2-=d1;
        }
        Else {
           m2--;
           d2+=30;
           d2-=d1;
        }
        If (m2>=m1)
        {
           m2-=m1;
        }
        Else {
           y2--;
           m2+=12;
           m2=m2-m1;
        }
        y2-=y1;
        printf("\n\t Your present Age :-\n");
        printf("\t %d year\t",y2);
        printf("\t %d month\t",m2);
        printf("\t %d day",d2);

        m2=11-m2;
        d2=30-d2;
        printf("\n\n\t Your next birthday time left is\n");
        printf("\t %d Month\t",m2);
        printf("\t %d Day\t",d2);
}
```

Output

|-| AGE CALCULATOR |-|

Enter your date of birth:-

Day 26

Month 08

Year 2001

Enter Today's date:-

Day 08

Month 01

Year 2023

Your present Age:-

21 year 4 month 12 day

Your next birthday time left is

7 Month 18 Day

Conclusion

In conclusion, an age calculator is a useful tool for determining a person's age based on their birthdates. Age calculators can be found in various forms such as online calculators, software applications and mobile apps. They are easy to use, fast and provide accurate results. Age calculators are widely used by individuals, businesses, and organizations, and can be customized to meet specific needs. They are also important in fields such as demography, sociology and psychology for estimating or analyzing population characteristics.