

MAHARAJA AGRASEN MODEL SCHOOL , DELHI-34

PRACTICAL FILE

ARTIFICIAL INTELLIGENCE (Class X - CODE 417)

Index

Particulars	Sign
<p><u>Print:</u> Write a program to:</p> <ol style="list-style-type: none">1. To print personal information like Name, Father's Name, Class.2. To find square of number 73. To find the sum of two numbers 15 and 20.4. To convert length given in kilometers into meters.5. To calculate Simple Interest if the principle_amount = 2000 rate_of_interest = 4.5 time = 10	
<p><u>INPUT:</u> Write a program to:</p> <ol style="list-style-type: none">1. To calculate Area and Perimeter of a rectangle2. To calculate Area of a triangle with Base and Height3. To calculating average marks of 3 subjects4. To calculate discounted amount with discount %5. To calculate Surface Area and Volume of a Cuboid	
<p><u>IF, FOR, WHILE:</u> Write a program to:</p> <ol style="list-style-type: none">1. To check if a person can vote2. To check the grade of a student3. Input a number and check if the number is positive, negative or zero and display an appropriate message4. To print first 10 natural numbers5. To print first 10 even numbers	
<p><u>Computer Vision</u></p> <ol style="list-style-type: none">1. Reading and Displaying existing Image using Opencv module.2. Save Image in a folder.3. Convert Image into Gray Scale Image4. Convert Image into BGR to RGB.5. Resize Image into 256x2566. Crop a portion of the image.	
<p><u>Data Science</u></p> <ol style="list-style-type: none">1. Create a line graph for the following data: height = [152,102,116,178] weight = [75,63,52,81]	

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| <p>2. Create a pie chart for the following data:
Countries=['Canada', 'India', 'USA', 'UK']
Medals = [13,17,19,18]</p> <p>3. Create a bar chart for the following data:
height=[10, 20, 30, 40]
label=['Apple', 'Microsoft', 'Google', 'Safari']</p> | |
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