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**Charusat University**

**CSPIT**

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**IT253 Software Group Project-I (3rd Sem)**



**DEPARTMENT OF INFORMATION TECHNOLOGY**

**Chandubhai S. Patel Institute of Technology**

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**Object:**

This program will help you to find details about each element which are in periodic table. We can use this program on TURBO C++ compiler.

**Abstract:**

This program will help students to get the details regarding each of the elements which are available within the periodic table. It will be enable the students to get the details of each element by just one click. This program is so easy to run and get details of each elements. Users just have to select the particular element by moving arrows up & down & then press enter to get information such as atomic number, their atomic value, their location in the periodic table.

**Existing System:**

If you have to get information regarding any elements of the periodic table then you have to use either period table which is made of paper or, if you are going to use any software then you have to wait to download that particular software. Sometimes you get irritated, because the downloaded software are not getting the exact information as per your requirement. In the existing system, users do not get details of all elements which are available in periodic table till date. Under the existing system, all the elements are not available under the same screen and you have to press next button or previous button to get details of your desired elements.

All the elements are not easily visible clearly so you have to scroll down the screen to get the entire information. There is no any simple way to quit the program and some program takes more disk space just for getting some information on time.

**Literature Survey:**

We search about some use of graphics in C++ language on google , Youtube and serf some good sits. How it is work and how we use in our program. We search about elements detail like atomic mass , atomic number , atomic structure etc.

**Proposed System:**

As this program is written in C++, so it will take a little amount of your disk space and memory to load and execute the program. You don’t have to download any software to get the details of elements which are available under the periodic table.

To get details, you have to just select particular element and press enter. Once you press enter you will able to get all its details. Whenever you want to quit the program, you have to just press ESC key from your keyboard and program will be terminated automatically.

**Link of Blog:**

<https://darshaksondagar.blogspot.com/>

**References:**

* <https://www.google.com/>
* <https://www.youtube.com/>
* <https://pubchem.ncbi.nlm.nih.gov/periodic-table/>
* <https://www.lenntech.com/periodic-chart-elements/electronegativity.htm>
* <https://www.geeksforgeeks.org/basic-graphic-programming-in-c/>
* <http://hacker4heart.blogspot.com/2011/02/introduction-of-turbo-c-graphics.html>