**C H A R U S A T**

CHANDUBHAI S PATEL INSTITUTE OF TECHNOLOGY

PROJECT SYNOPSIS

**Date: 07/08/2015**

**CE218.01: SOFTWARE GROUP PROJECT**

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| Project Title: | E-Periodic Table |
| Alternate Title  (If required ) | Modern Periodic Table: Within your palm. |
| Project Goal | To provide information and properties on each elements present in Modern Periodic Table. |
| Objectives | For the students of chemistry field, to make it convenient for them to direct search a element in periodic table and get to know it’s properties with a click. Also graphical representation shows the exact position of each element in the periodic table. |
| Project Brief description | Main Menu that will consist of 6 sub categories:   1. Search Element.    1. By Atomic No.    2. By Symbol.    3. By Name. 2. Add Element. (Password Protected) 3. Modify Element. (Password Protected) 4. Display atomic no. & symbol. 5. Display Periodic Table Graphically. 6. Exit. |
| Expected outcome | This project can be used as a back end for any web application or mobile application to make a useful application exclusively for students in Chemistry Field. |
| Project Category: | Filing and Graphic based in C++ |
| Rate Project yourself (out of 5) | 4\* |
| Development Environment | Software Specification:  Operating System: Windows  Front End : CMD  Back End: Turbo C3  Code Behind: C++  Hardware Specification:  Ram : 4 GB  Hard disk : 500 GB  Processor : CORE i5 (3rd Gen)  Are all the Team Members using same Specification**: YES** |
| Execution/Hosting Environment | Software Specification:  Operating System : Windows or any with CMD (or the same)  Hardware Specification:  Ram : 1 GB or more.  Processor : ANY  Are you planning to host project which you are going to develop? **YES** |
| **Statistics** | Time Duration: |
|  | Team Size: 3 Students (B.Tech)  Varsh Patel (14CE107): Major Programming and Coding in C++ and information collection.  Shivam Patel (14CE105): Programming in C++ with information collection and trouble- shooter.  Mikin Patel(14CE098): File Management and Data Entries. |
| **Student ID** | 14CE107, 14CE105, 14CE098 |
| **Roles** | Coding, Documentation, Filing, Testing |
| **Signature** | Varsh Patel Shivam Patel Mikin Patel |