**Technical Requirement Document**

# Student’s Data Entry

* **Purpose :-**

The purpose of the project is to develop requirements of a school in student’s data entry. A teacher can enter the general information of student in their class and reference study materials for themselves. They can enter the Id, Name, Class, Email Address and Phone number of a student. The main aim of this project is to provide a platform to those who just came to internet because of this pandemic.

* **Technical Requirements :-**
* **Python Language :-**

Python is a high level interpreted programming language. It’s syntax are simple, easy to use and maintain which makes it readable. As it’s simple, developers can easily work on problem solving.

* **Django Framework :-**

Django is a high level Python Web Framework which encourages rapid development and clean, pragmatic design. It’s free and open source. Django was designed to help developers take applications from concept to completion as quickly as possible. Built by experienced developers, it takes care of much of the hassle of Web development, so you can focus on writing your app without needing to reinvent the wheel. Django takes security seriously and helps developers avoid many common security mistakes.

* **Bootstrap :-**

Bootstrap quickly design and customize responsive mobile-first sites with Bootstrap, the world’s most popular front-end open source toolkit. Most of the Frontend work has been handled by the bootstrap. In this Project Navigation, Carousel has been designed by Bootstrap. These snippets contain HTML, CSS and Javascript.

* **Sqlite3 database by Python :-**

SQLite is a C library that provides a lightweight disk-based database that doesn’t require a separate server process and allows accessing the database using a nonstandard variant of the SQL query language. Some applications can use SQLite for internal data storage. It’s also possible to prototype an application using SQLite and then port the code to a larger database such as PostgreSQL or Oracle.

* **Website Overview :-**

1. **Home :-**

Displays a navigation bar on the top which has a home button, add new and show all. On Homepage we have carousel, albums (which contains reference material for teacher), few quotations, show all and add new buttons and homepage ends with covid19 guidelines for schools.

1. **Add New :-**

Add new gives a form to add new details about student. You do new entries there which includes Id, Name, Class, Email address and contact details of a student.

1. **Show all**

All entries are shown here. You can edit and delete them there.

1. **Navigation bar :-**

It consists home, add new, show all and search bar. You can search for any entry by the name.

* **Target Market :-**

The website is made with simple features which can be easily used by the person who just came to internet.