 Bengaluru, Karnataka, India

AN INTERNSHIP REPORT

ON

“FullStack Web Development”

## BACHELOR OF ENGINEERING

In

#### ELECTRONICS AND COMMUNICATION ENGINEERING

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M S Engineering College

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**ABOUT THE COMPANY**

CST is a digital service provider that aims to provide software, designing and marketing solutions to individuals and businesses. At CST , we believe that service and quality is the key to success

We provide all kinds of technological and designing solutions from Billing Software to Web Designs or any custom demand that you may have. Experience the service like none other!

Some of our services include:

* Development - We develop responsive, functional and super-fast websites.
* We keep User Experience in mind while creating websites. A website should load quickly and shouldbe accessible even on a small view-port and slow internet connection.
* Mobile Application - We offer a wide range of professional Android, iOS& Hybrid app development services for our global clients, from a start up to a large enterprise.
* Design - We offer professional Graphic design, Brochure design & Logo design. We are expertsin crafting visual content to convey the right message to the customers.
* Consultancy - We are here to provide you with expert advice on your design and development requirement.
* Videos - We create a polished professional video that impresses your audience.

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### OVERVIEW OF THE PROJECT

**Project Name**: Engineering SGPA/CGPA Calculator

**Team Members:** Individual

This project is based on Web Development and its Applications. The main objective of this project is to learn the implementation of HTML, CSS and JavaScript at frontend and PHP, MySQL database at backend, The webpage of this project is created using HTML and styling of the webpage is done using CSS.

It is a web application that simplifies the task of storing a users results . The system is flexible to be used and reduces the need of frequently searching and accessing an individuals marks. The system is developed to provide an easy means for storing semester wise results. Individuals have to login and enter their marks in a form.They can then access the result and print it in a PDF format.

1. **USER MODULE**

This module is mainly dedicated to the candidates who are looking to store their result. They can log in into the system, via the credentials provided to them & once they are in, they have to enter their data by filling an online form . They can download the result from the same module, in PDF file format.

1. **ADMIN MODULE**

This module is maintained by the admin and only he/she can manage and have access to every account. Admin can add or delete the users as well. They can modify the functionalities of the system, too. Admin can also add users on the fly to the application to make the application full of new functionalities.

**SGPA/CGPA Calculator**

CGPA refers to the cumulative grade point average which literally translates to the sum total of all your credit points. This system helps in assessing the overall academic performance of a student. Although the evaluation criteria may vary from one country to another, the CGPA system is among the most common evaluation way in most professional/technical courses

.

**How do you Calculate SGPA?**

SGPA, which stands for Semester Grade Point Average is an evaluation method that highlights the semester wise performance of the student. It can be calculated by simply adding all the credit points awarded for the subjects and then dividing it by the total credits allotted to that semester.

**For example**, In a total of 3 subjects, you scored the following grade points:

Subject1:8

Subject2:6

Subject 3: 7

The total credit for each subject is 10.

1. Now, first we will multiply, the grade point with the total credit point for each subject:

Subject 1: 8\*10 = 80

Subject 2: 6\*10 = 60

Subject 3: 7\*10 = 70

2. To calculate SGPA here, you need to add all these grade points and then divide it by the total credits, i.e.

Total grade points: 210

Total credits: 30

To get SGPA, divide grade points by total credits, =210/30 =7 SGPA

**How to Find CGPA from SGPA?**

To find CGPA from SGPA, you need to follow this formula:

**CGPA= (SGPAs of All semesters in an academic year)/ Number of semesters**

Thus, by adding up all the SGPAs you have got in an academic year by the total number of semesters, you will find CGPA from SGPA.

**For example,**

Suppose that you scored 7 SGPA and 9 SGPA in your two semesters.

1. First you need to add both these SGPAs.

2. Then, divide the total SGPA with the number of semesters, i.e.

3. Your CGPA would be: CGPA = SGPA of all semesters in a year/Number of semesters = (7+9)/2 = 8 CGPA

### TOOLS USED

**Software Requirements**

* + Visual Studio Code 2019.
  + Google Chrome or Microsoft Edge of latest version.
  + Front End: HTML, CSS, JS
  + Backend : Php, MySQL, Xampp
  + Linux 7.1 or Windows XP/7/8/10 OS or Mac OS

**Hardware Requirements**

* + Pentium 200-MHz computer with a minimum of 64 MB of RAM (128 MB of RAM recommended).
  + Monitor with a refresh rate of at least 40Hz for a smooth GUI experience (optional).

# IMPLEMENTATION

<Please paste your complete source code here>

### SNAPSHOTS

### BIBLIOGRAPHY

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