



ESTD : 2001

An Institute with a Difference

RNS INSTITUTE OF TECHNOLOGY

BENGALURU - 98



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

Presentation on Internship

STUDENT ATTENDANCE MANAGEMENT SYSTEM

SHWETHA B
USN: 1RN18IS105



TechieAid

Internal Guide

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AGENDA



- ☐ Abstract
- ☐ About the Company
- ☐ Introduction
- ☐ Requirements
- ☐ System Design
- ☐ Detailed Design
- ☐ Implementation
- ☐ Testing
- ☐ Conclusion and Future Enhancement
- ☐ References

ABOUT THE COMPANY



- TechieAid is the IT services company registered under Govt. of India, Ministry of Micro, Small & Medium Enterprises.
- They offer IT Staffing Solutions, Technology Trainings, Leadership & Soft Skills Training, Software Development Services and Coaching & Mentoring.
- Their clients are reputed MNC companies and leading academic institutions.
- Their Mission is to empower their customers with necessary knowledge, skills and resources for them to succeed in their endeavors.





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ABSTRACT



- Student Attendance management system is important to every single organization, it can decide whether or not an organization such as educational institutions, public or private Sectors will be successful in the future.
- Organizations will have to keep a track of people within the organization such as employees and students to maximize their performance.
- Managing student attendance during lecture periods has become a difficult challenge.
- The ability to compute the attendance percentage becomes a major task as manual computation produces errors, and wastes a lot of time.
- For the stated reason, an efficient Web-based application for attendance management system is designed to track student's activity in the class.

INTRODUCTION

- The ability to compute the attendance percentage becomes a major task as manual computation produces errors, and wastes a lot of time. For the stated reason, an efficient Web-based application for attendance management system is designed to track student's activity in the class.
- This application takes attendance electronically and the records of the attendance are storing in a database. MySQL used for the Application Database.
- Student attendance management system deals with the maintenance of the student's attendance details. It generates the attendance of the student on basis of presence in class. It is maintained on the daily basis of their attendance. The staffs will be provided with the separate username & password to make the student's status.

REQUIREMENTS

Software Requirements

Name of Components	Specification
OperatingSystem	Windows 10
Language	HTML, CSS, C#, JavaScript, Bootstrap
Database	MSSQL
Browser	Chrome, IE
Integrated Development Environment	Microsoft Visual Studio 2019, Microsoft SQL Server 2019

Hardware Requirements

Name of Components	Specification
Processor	10 TH Gen CORE i7 Processor
RAM	8GB
Hard Disk	512 GB SSD

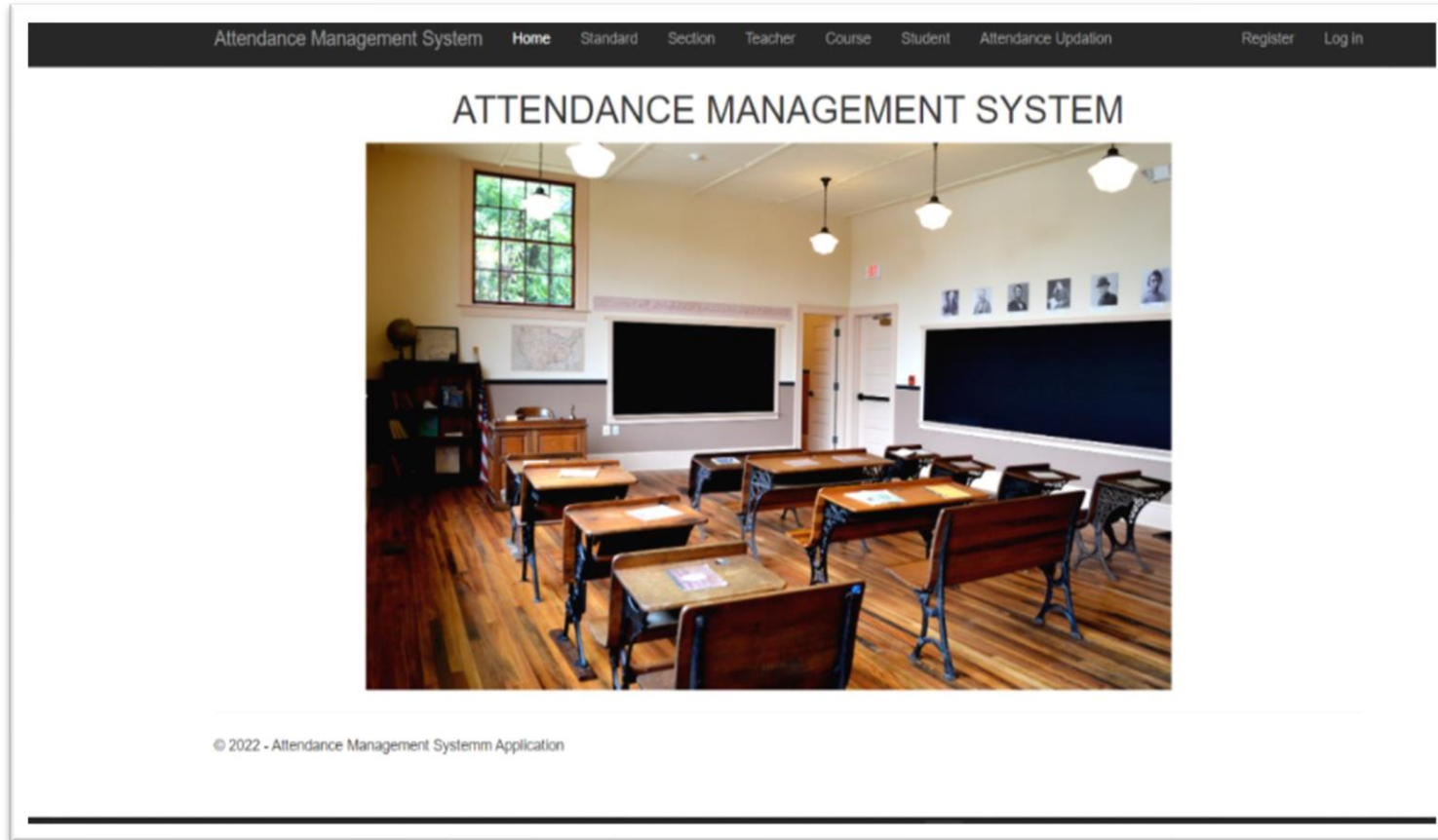
SYSTEM DESIGN

EXISTING DESIGN:

[illegible]

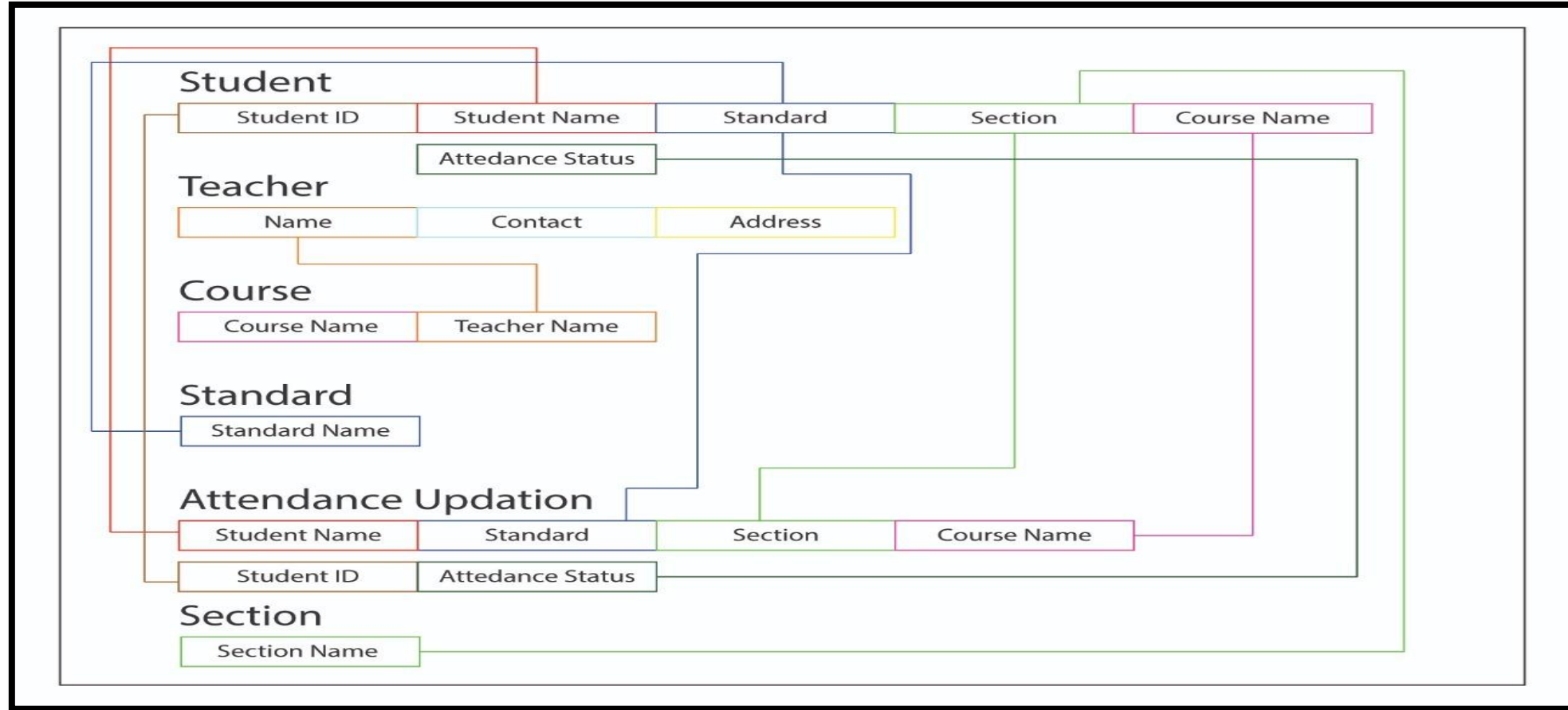
SYSTEM DESIGN

PROPOSED DESIGN:



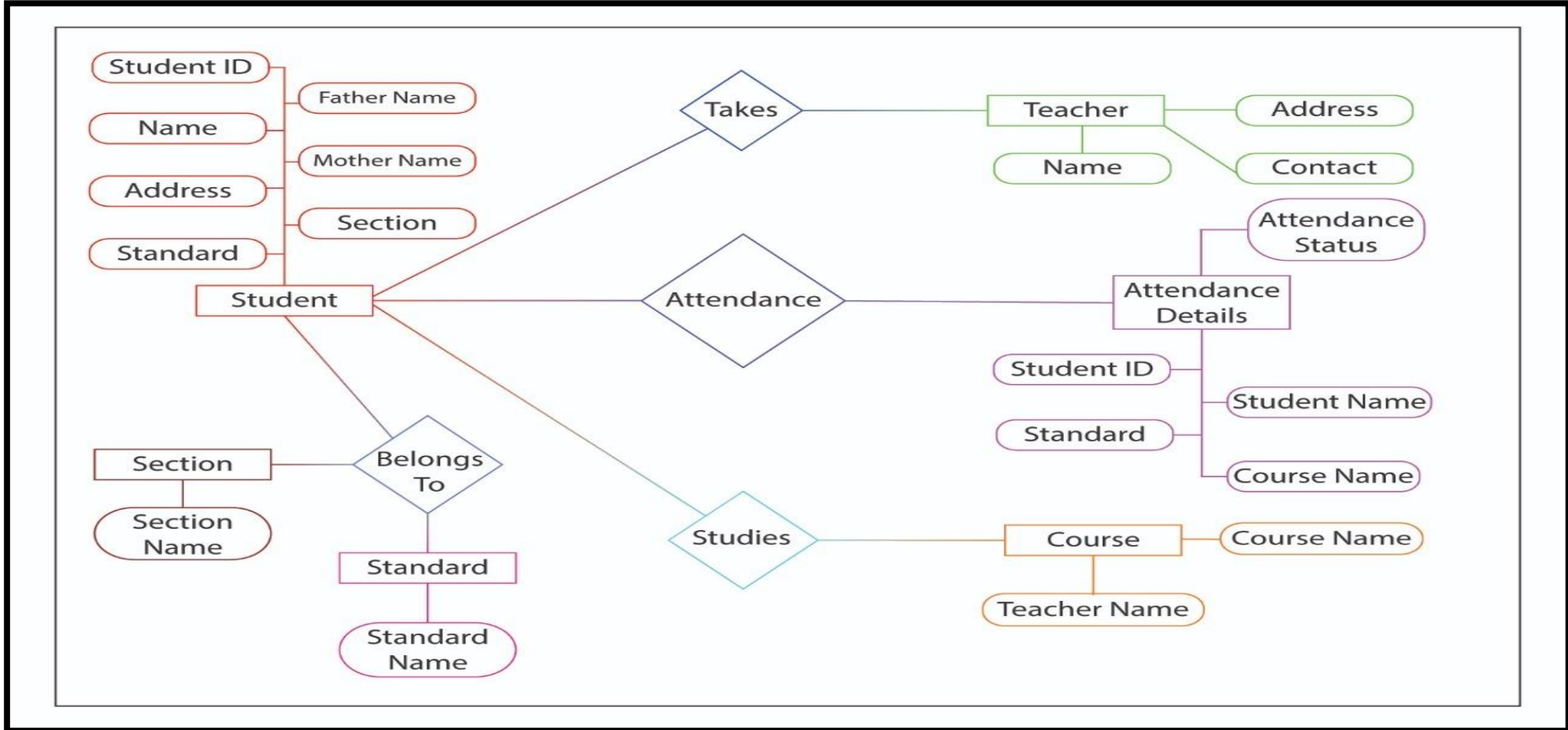
SYSTEM DESIGN

SCHEMA DIAGRAM:



SYSTEM DESIGN

ER DIAGRAM:



IMPLEMENTATION

Web Configuration: The below code defines the database connection string configuration

```
<connectionStrings>
  <add name="DefaultConnection" connectionString="Data
Source=LAPTOP-HLB6GCB\SQLEXPRESS;Initial
Catalog=AttendanceDB;Integrated Security=True"
providerName="System.Data.SqlClient" />
  <add name="AttendanceContext" connectionString="Data
Source=LAPTOP-HLB6GCB\SQLEXPRESS;Initial
Catalog=AttendanceDB;Integrated Security=True"
providerName="System.Data.SqlClient" />
</connectionStrings>
```

IMPLEMENTATION

Student: This snippet shows the student sub list.

```
using System;
using System.Collections.Generic;
using System.ComponentModel.DataAnnotations.Schema;
using System.Linq;
using System.Web;

namespace Attendance. Models
{
    public class Student
    {
        public int id { get; set; }
        public string Name { get; set; }
        public string FatherName { get; set; }
        public string MotherName { get; set; }
        public string Address { get; set; }
        [ForeignKey("std")]
        public int? Standard { get; set; }
        public Standard std { get; set; }
        public Standard std { get; set; }
        [ForeignKey("sec")]
        public int? Section { get; set; }
        public Section sec { get; set; }}
}
```

IMPLEMENTATION

1. **About_cshtml:** The defined methods fetch the data from the database for about us data
4. **Contact_cshtml:** The calls Editor For Template to display the contact from the database.

```
@{
    ViewBag.Title = "Home Page";
}
<style>
    img {
        margin-left:150px;
    }
</style>
<h1><center>ATTENDANCE MANAGEMENT SYSTEM</center></h1>

```

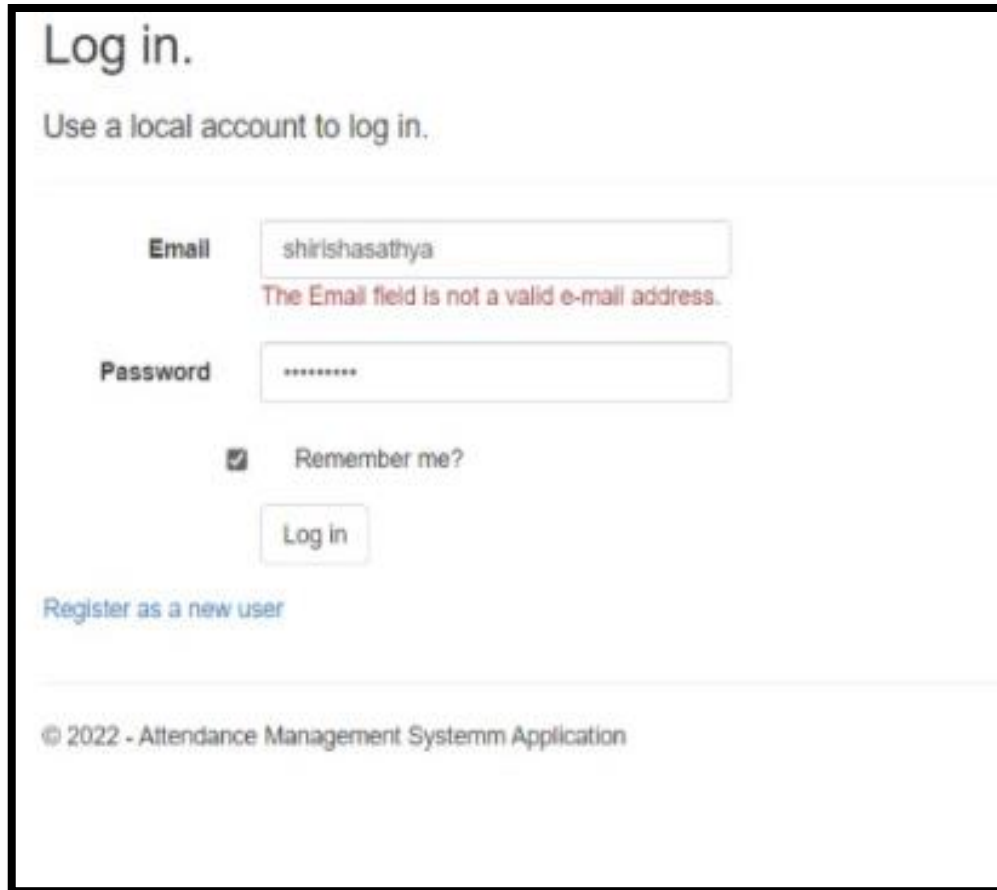
```
@{
    ViewBag.Title = "Contact";
}
<h2>@ViewBag.Title.</h2>
<h3>@ViewBag.Message</h3>

<address>
    One Microsoft Way<br />
    Redmond, WA 98052-6399<br />
    <abbr title="Phone">P:</abbr>
    425.555.0100
</address>

<address>
    <strong>Support:</strong> <a
href="mailto:Support@example.com">Support@example.com</a><br />
    <strong>Marketing:</strong> <a
href="mailto:Marketing@example.com">Marketing@example.com</a>
</address>
```

TESTING

1.Register Page:



Log in.

Use a local account to log in.

Email

The Email field is not a valid e-mail address.

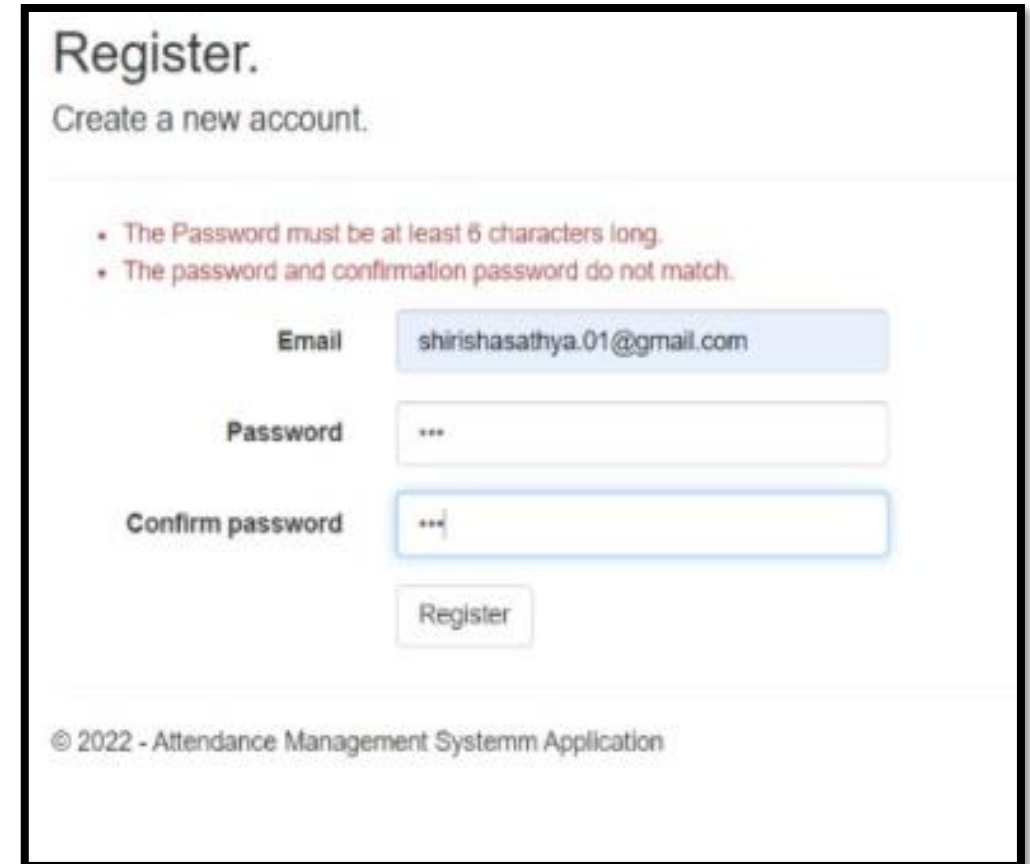
Password

☒ Remember me?

[Register as a new user](#)

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This Figure shows the error message when the email is not in correct format.



Register.

Create a new account.

- The Password must be at least 6 characters long.
- The password and confirmation password do not match.

Email

Password

Confirm password

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This Figure shows the error message when the password entered is less than 8 characters .

TESTING

2.Login Page:

Log in.

Use a local account to log in.

• Invalid login attempt.

Email

1m18is097shirisha@gmail.com

Password

☐ Remember me?

Log in

[Register as a new user](#)

Use another service to log in.

There are no external authentication services configured. See [this article](#) for details on setting up this ASP.NET application to support logging in via external services.

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This Figure shows the error message when the password is incorrect.



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TESTING



← → ↻ 🏠 🔒 https://localhost:44372/Teachers/Create ☆ ☆ 🗂 👤 ...

Attendance Management System Home Standard Section Teacher Course Student Attendance Updation Register Log in

Create

Teacher

Name

Contact

Address

⚠ Please fill out this field.

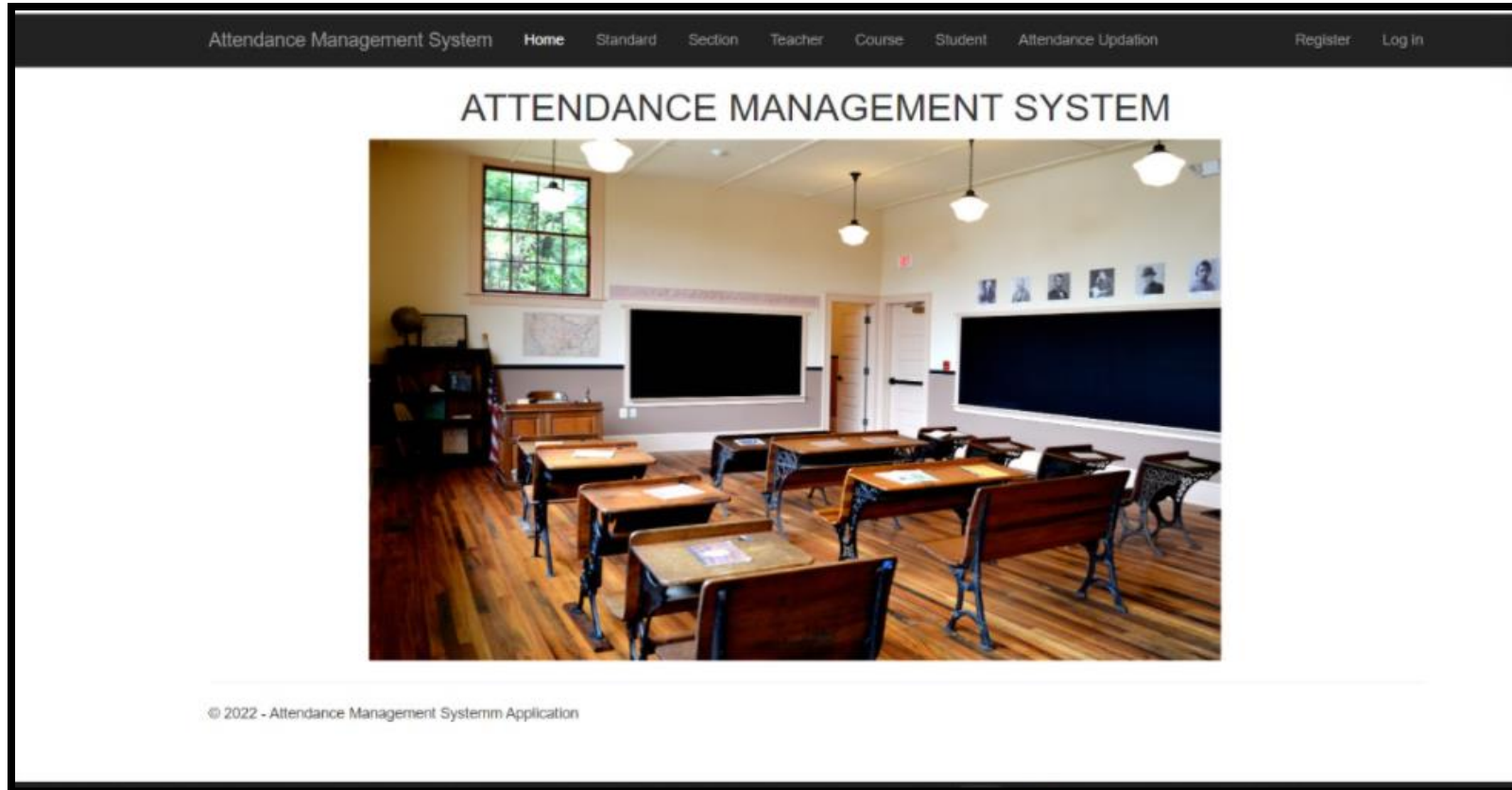
[Back to List](#)

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This Figure shows the error message when any of the field is unfilled.

RESULTS

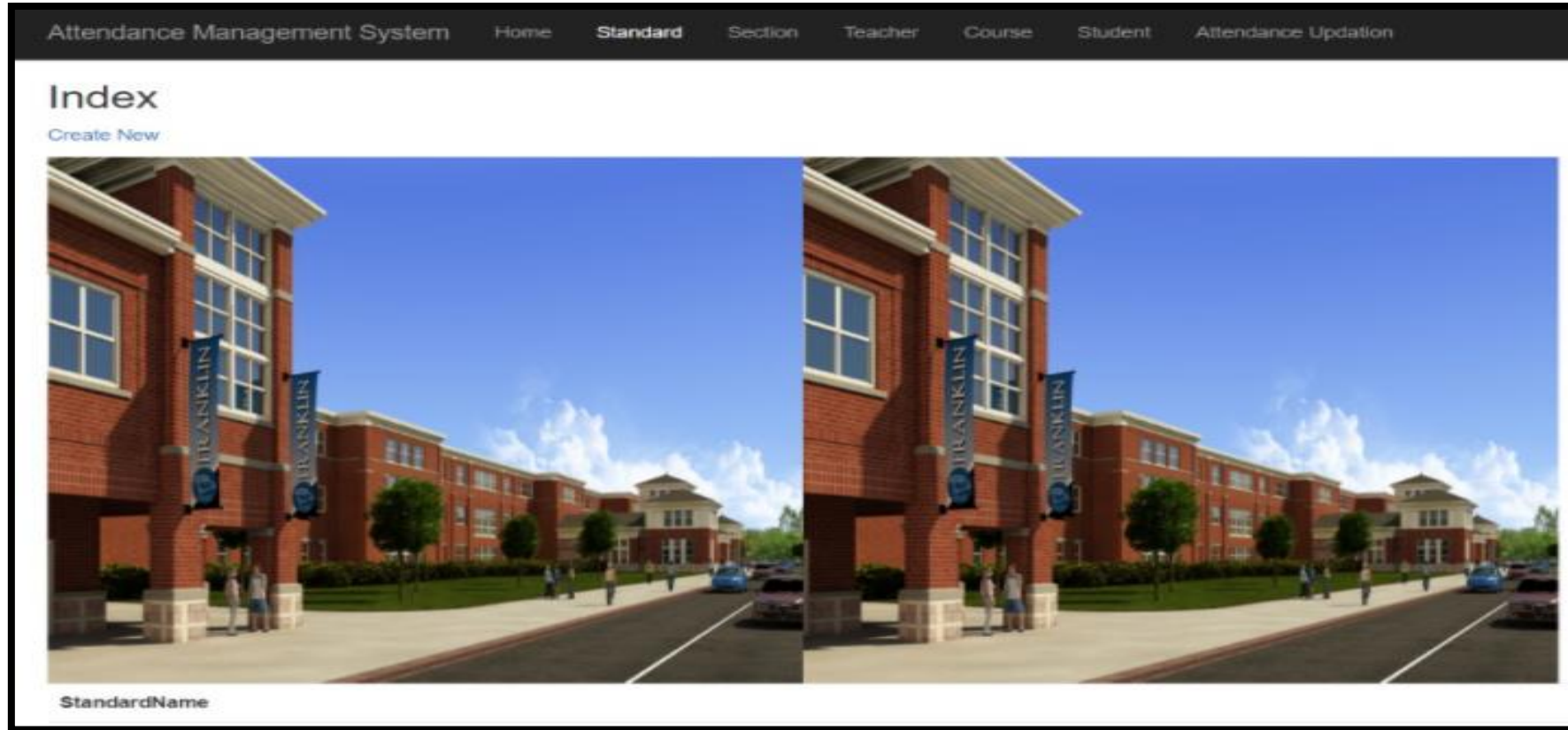
1.Home Page:



This Snapshot shows the overview of Home page.

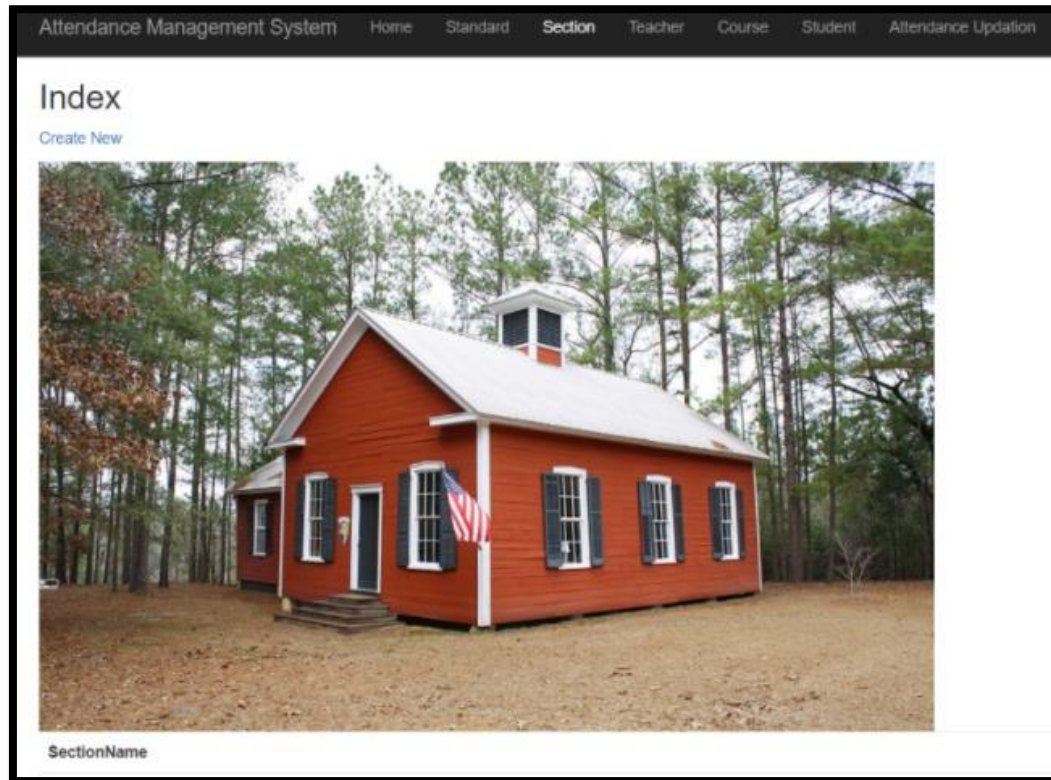
RESULTS

2.Standard Page:

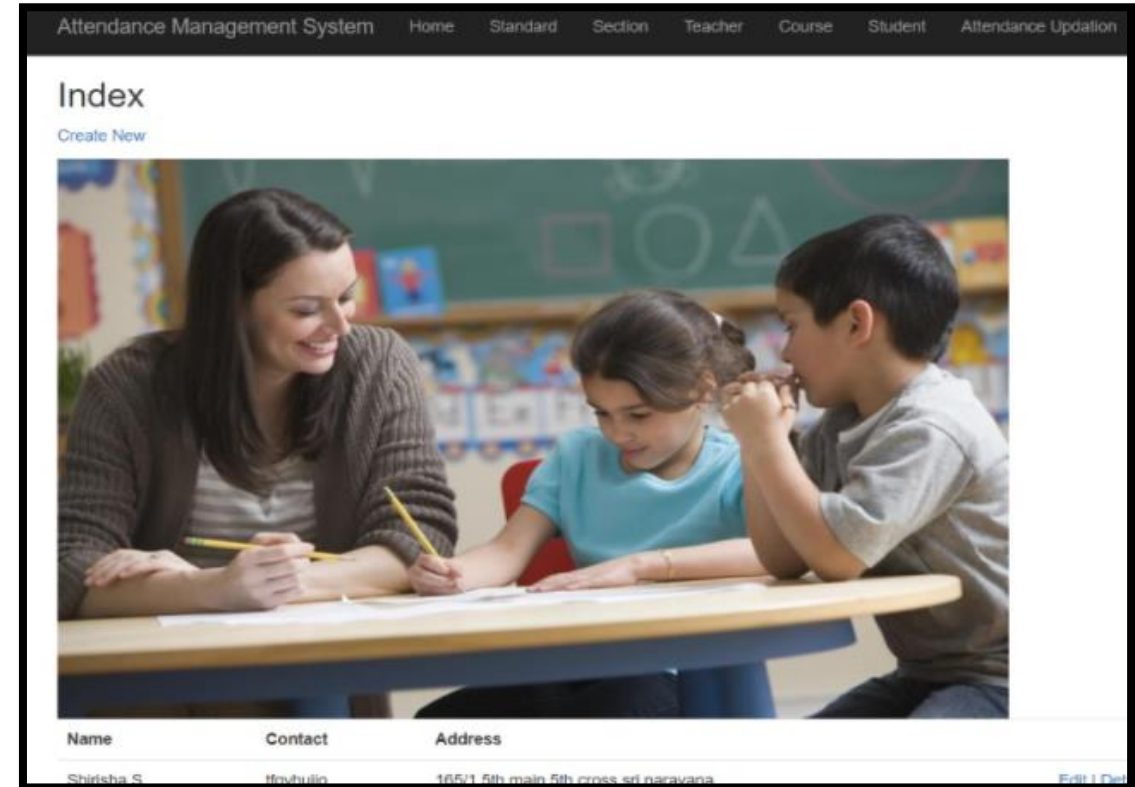


RESULTS

3. Section Page:



4. Teacher's details:



RESULTS

4.Course Details:

Attendance Management System

Home Standard Section Teacher Course Student Attendance Updation Register Log in

Index

Create New

Name	CourseName	
SHIRISHA S	Big Data Analysis	Edit Details Delete
SHWETHA B	User Interface Design	Edit Details Delete
SHIRISHA S	Software Engineering	Edit Details Delete
SHIPLA	AIML	Edit Details Delete

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5.Student's Details:

Attendance Management System

Home Standard Section Teacher Course Student Attendance Updation

Index

Create New



Name	FatherName	MotherName	Address	SectionName	StandardName
Shirisha S	gbn	tgh	165/1 5th main 5th cross sri narayana	b	4



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RESULTS



7.Attendance Status

Attendance Management System

HomeStandardSectionTeacherCourseStudentAttendance Updation

RegisterLog in

Index

[Create NeW](#)

Name	CourseName	StandardName	SectionName	AttendanceStatus	Attendance Percent out of 50 class	
SHIRISHA S	Big Data Analysis	4	b	45	90 %	Update
SHIRISHA S	Big Data Analysis	4	b	48	96 %	Update
SHIRISHA S	Big Data Analysis	4	b	46	92 %	Update

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CONCLUSION AND FUTURE ENHANCEMENT

A Computer can work more efficiently then compared to a human being. The work becomes easy for the employees and thus, some amount of human resources is saved. Data accuracy is maintained.

Scope for future development:-

The project has a very vast scope in future. The project can be implemented on intranet in future.

Project can be updated in near future as and when requirement for the same arises, as it is very flexible in terms of expansion. With the propose software of database Space Manager ready and fully functional the client is now able to manage and hence run the entire work in a much better, accurate and error free manner. The following are the future scope for the project.

- Bar code Reader based attendance system
- Individual Attendance system with photo using Student login

REFERENCES

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- Visual C# Step by Step (Developer Reference Editionbase Systems, Pearson, 7th Edition.
- [Learn SQL Tutorial - javatpoint](#)
- [MS SQL Server Tutorial \(tutorialspoint.com\)](#)
- [C# Tutorial - GeeksforGeeks](#)
- [What is .NET Framework? Explain Architecture & Components \(guru99.com\)](#)



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THANK YOU