A PROJECT PROPOSAL

ON

"Website for Government Polytechnic, Miraj"

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF

DIPLOMA IN

COMPUTER ENGINEERING

SUBMITTED TO

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION, MUMBAI

SUBMITTED BY

Name of Student(s)	Enrollment No.
1. Atharv Chandrakant Chavan	2001310148
2. Shruti Sanjay Chavan	2001310149
3. Rutuja Uday Khandagale	2001310166

UNDER THE GUIDENCE OF

Prof. B.P. Mulla

GOVERNMENT POLYTECHNIC, MIRAJ

2022-23

CERTIFICATE

This is to certify that Mr./Ms **Atharv Chandrakant Chavan** from **Government Polytechnic, Miraj (0131)** College having Enrollment number: **2001310148** has completed Report on the Problem Definition/Semester V Project Report/Final Project Report having title Website for **Government Polytechnic, Miraj** in a group consisting of **3** students under the guidance of **Prof. B.P. Mulla.**

CERTIFICATE

This is to certify that Ms. **Shruti Sanjay Chavan** from **Government Polytechnic, Miraj (0131)** College having Enrollment number: **2001310149** has completed Report on the Problem Definition/Semester V Project Report/Final Project Report having title **Government Polytechnic, Miraj** in a group consisting of **3** students under the guidance of **Prof. B.P. Mulla.**

CERTIFICATE

This is to certify that Ms. **Rutuja Uday Khandagale** from **Government Polytechnic, Miraj (0131)** College having Enrollment number:**2001310166** has completed Report on the Problem Definition/Semester V Project Report/Final Project Report having title **Government Polytechnic, Miraj** in a group consisting of **3** students under the guidance of **Prof. B.P. Mulla.**

ACKNOWLEDGEMENT

We express our gratitude to everyone who supported us throughout the course of this project. We are thankful for their aspiring guidance and friendly advice during the project work. We are sincerely grateful to them for sharing their truthful and illuminating views on several issues related to the project.

We express our warm thanks to Program Coordinator for support and guidance at Government Polytechnic, Miraj. We would also like to thank our guide Prof. B.P. Mulla and all the people who provided us with the facilities being required for our project.

The whole team of the Computer Engineering department helped us throughout the project and helped us to clear our obstacles. It's a great honour to be a student at the esteemed institute of Government Polytechnic, Miraj and got several opportunities to learn every day something new.

ABSTRACT

In the recent years, the advances in web technology have brought an exorbitant change in daily lifestyle of individuals. Pcs, Laptops and Smartphones devices are rampant in all aspects of human life.

This has led to an extreme demand for developing websites that supports corresponding devices. The developers must keep up with this high demand and deliver high-quality website on time and within budget

For this, estimation of development and testing of website play a pivotal role. In this document, a Systematic Literature Review (SLR) is conducted to highlight development and testing estimation process for website.

The goal of the present literature survey is to identify and compare existing test estimation techniques for and for website. The characteristics that make website different from another website are identified in this literature survey.

Key points:

- Device Friendly
- Interactive
- Database connectivity
- Dynamic
- User Friendly
- Responsive
- Live location

CONTENT

CHAPTER 1

Introduction and background of the Industry or User based Problem

We are developing a website for Government Polytechnic, Miraj. This website of college based on Intranet aims to all the levels of management providing information within an organization. This system can be used as an information management system for the college.

For students/staff (Technical / Non-technical, Parents and visitors this website is going to be first source of information about our college. All of them will also get to know about the events and extra curriculum activities which will hold into the college campus.

The main menu will contain eight parts which are as follow:

- Home
- About Us
- Courses
- Grievance system
- Admission
- Scholarship
- Events
- Contact Us

Now, we can see that nearly everything is very much possible to perform with a single click, so this website will help you to get overall view of college at one glance so that students, staff members, parents and other visitor can access the college online.

Digital transformation is the new reality of this modern world. Besides industries such as manufacturing, corporates, banking, and commerce, education domain has new challenges and its of paramount importance to address the evolving needs of this domain. This college website will help Educational Institutions especially colleges in various ways, such as overview of college, Admission Process, getting feedbacks and providing college location, improving communication, and engaging students and parents.

There are many college websites that's available in the market to streamline administrative processes of college. The world is rapidly changing, and technology must meet the expectations of the new age learners

Students of this generation rely on technology to update themselves on a regular basis. Giving them a seamless experience of transitioning from the real to the digital world and vice versa is imperative.

As a forward-thinking educational institution, need to rethink of the ways on how the Colleges will look at online website because this gone be first impression for parents and students. College website effortlessly ensures efficiency in the operations of large-scale Institutions.

These are some key features of the website which is as follow:

- To make the website more user friendly and improving its GUI using new graphic technics.

- To make website more device friendly (responsive) i.e., will supports screens of mobile, laptop, tablet, and other devices with perfection.
- To make website more dynamic.
- To provide overall view of the college at once glance to user.
- Provide different menus for quick access of college information.
- To make websites more interactive.
- To provide location of college using live maps that will help user to easily locate the college location.
- Provide feedback forms to collect feedbacks.

CHAPTER 2
Literature Survey for Problem Identification and Specification

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Website is a necessity for organizations to enable users worldwide to access their information and gain a competitive edge over others. The diversity of websites makes assessing website quality a difficult task. The aim of this paper is to identify the issues faced in the quality evaluation of college websites, the models and the factors used for evaluating college website quality. Systematic literature review was used to identify and synthesize related scholarly research papers.

Findings show that there is a lack of study on college website quality compared to business websites; website designers did not have the appropriate knowledge on the interface design; and the website quality evaluation is complex since there is no specific evaluation model. Webqual 4.0 model (Automation Tool) was used to evaluate the quality of college websites. From 10 reports, initially 18 quality factors were extracted. After performing comparison, filtration and memoing, six quality factors were identified: information quality, specific content, usability, web appearance, service interaction quality, and functionality. This report makes a useful contribution in developing college website quality model by extending the Webqual 4.0 model.

CHAPTER 3
PROBLEM DEFINITION

Current college website is not enough attractive and user-friendly. Also, it is not responsive, user can only access it properly on Pc or laptop. Website should be more interactive to the user. Also, it has less modules.

Problems in existing system:

- Not responsive
- Not interactive
- Should be more user friendly
- Improper Design and structure
- Less secure
- Static website
- Slow and unmaintained

Solution to these problems:

The development of the new website contains the following activities, which try to automate the entire process keeping in view of the database integration approach.

- Responsive
- Rich GUI
- User friendly

- Interactive
- Device friendly
- More secure
- More dynamic
- Improved modules
- Database connectivity

Problem Definition:

The problem is to provide the complete information about the college campus. In which the college staff members, students and parents can access the information and will be familiar with college and college campus.

CHAPTER 4
PROPOSED METHODOLOGY

This website of college comprises of seven modules; the function of these apps differs accordingly. Likewise, the methods to access these modules differ too. These modules are listed below:

Home:

This the first module of website. This module is going to be a hero for our website because it will be the first look of our college for user. It will contain name of collage with bold font attracting the user with some photographs of college in slideshow manner. This module will be the first webpage of website containing all basic information about college that is about us, goals, and objectives.

About us:

This module will provide all basic information about our college. It will be the basic module which will provide all the information about college. It will also contain sub modules such as objectives and goals of our collage

Course:

This module will contain details of all five-department available in our college.

- Computer Department
- Mechanical Department
- Civil Department
- Polymer technology
- Medical Electronics

Each sub module will contain detailed information about respective department. It will contain intake of students for that particular department. Photographs related to that department and proper detailed description about that department.

Admission:

This module will contain information about the admission process. Also contain submodules i.e., Admission, Stepwise admission, important documents for admission and Home Minister message. This submodule will contain pdf contains detailed information about that particular module.

Scholarship:

This module will provide the information about all scholarship provided. It will contain submodules i.e., Scholarship committee, Scholarship details, important circular. This module will be source of information about all scholarship.

Events:

This module will contain information about all the events held in our college. Also, the info about the upcoming events. Its will contain photographs of that event and some description about that event.
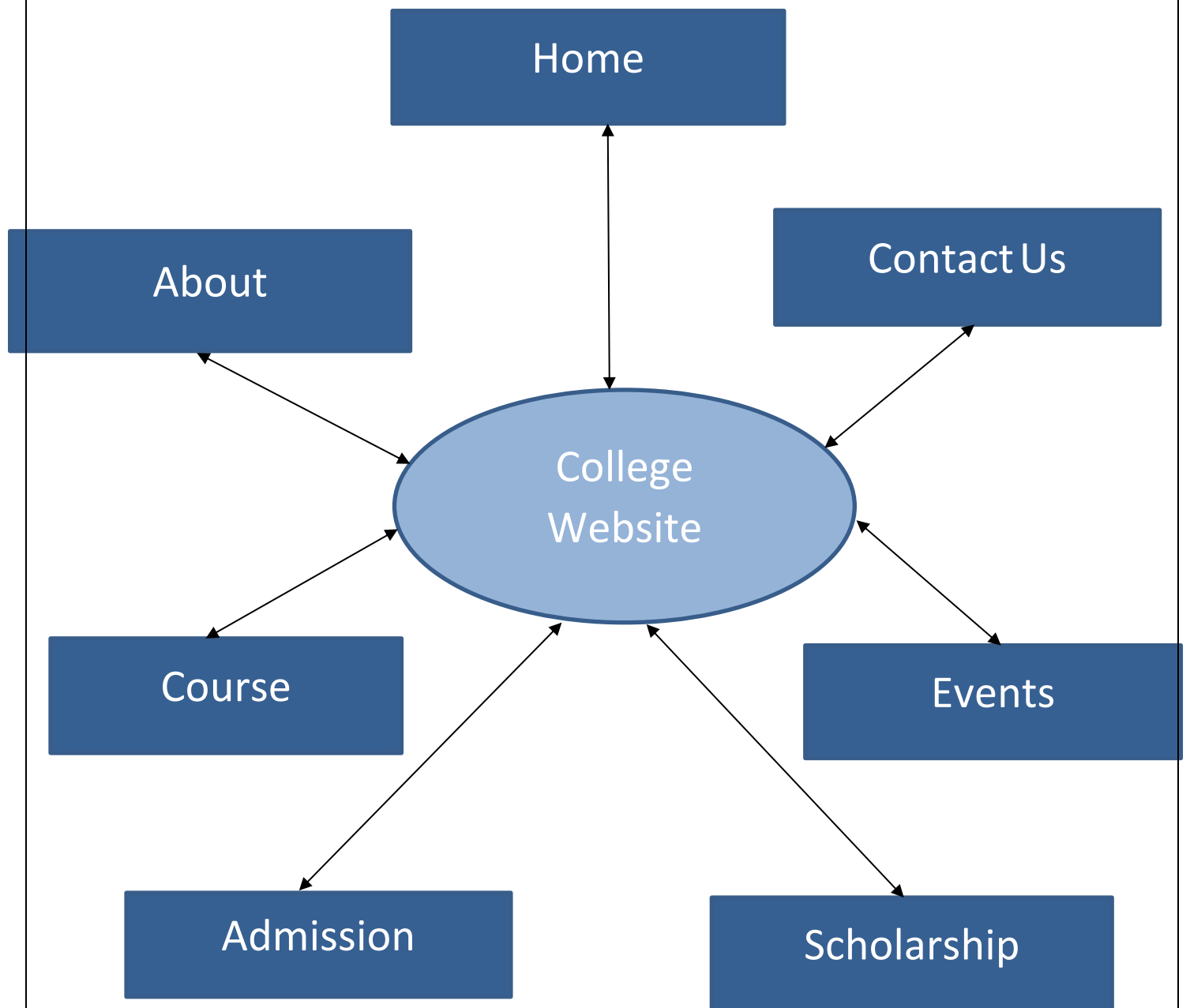
Contact:

This module will perform important role as it will provide a feedback form. This form will contain two text area for entering name and email id And one text field for entering description for feedback. It will also contain a live google map of the college which will make easy to user to locate college website.

CHAPTER 5
PROJECT DESIGN

DFD Level 0:

Home

About

Contact Us

College Website

Course

Events

Admission

Scholarship

DFD Level 1:

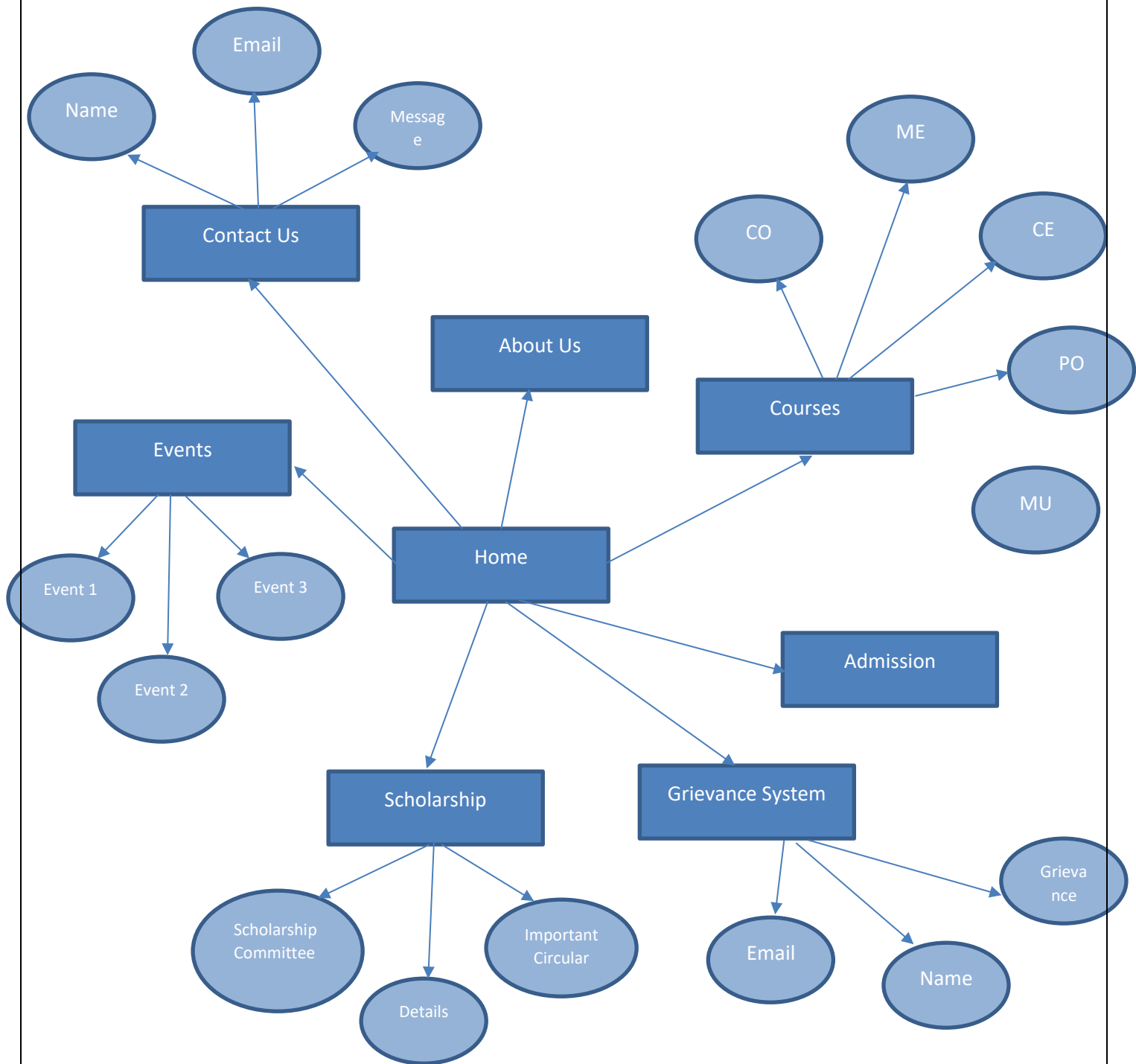| Input		Output
Home		First Page of site
About		Info of college
Course	College website	Info of Courses
Admission		Admission Detail
Scholarship		Scholarship Info
Events		Events Info
Contact Us		Feedback Form
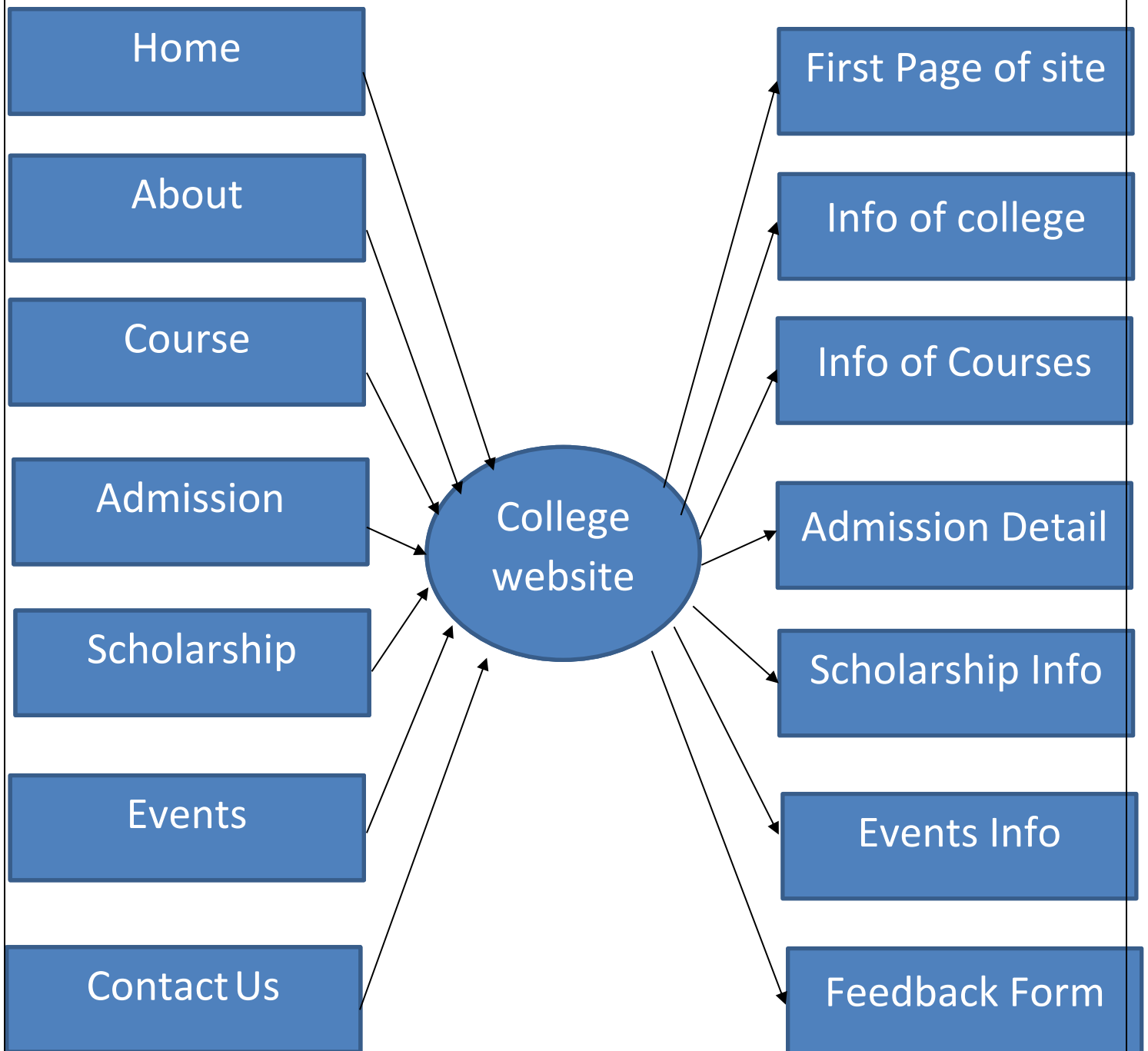
ER Diagram:

CHAPTER 6

RESOURCES AND CONSUMABLE REQUIRED

Resources Required

Sr. No.	Name of Resources/Material	Specification	Quantity
1.	Computer System	Ryzen 7, ram 8gb 512 GB SSD 1tb HDD	1
2.	Editor – Visual Studio		1

Technologies Used:

1. HTML
   - Describes structure of the webpages.
   - It tells the browser how to display the content.
2. CSS
   - Used for overall style configurations.
3. JavaScript
   - To create dynamic and interactive web content.
4. Bootstrap
   - Used to make website more responsive and device-friendly

CHAPTER 7
ACTION PLAN

Week	Details of Activity	Planned Start Date	Planned Finish Date	Name of Responsible Team Members
Week 1	To go through syllabus of capstone project	20-08-2022	27-08-2022	All students
Week 2	Project group formation	28-08-2022	04-09-2022	All students
Week 3	Finalize the project group and finalization of the team leader	05-09-2022	12-09-2022	All students
Week 4	Searching for various topics for capstone project	13-09-2022	20-09-2022	All students
Week 5	Finalization of topic for capstone project	21-09-2022	28-09-2022	All students
Week 6	Getting basic idea about the project	29-09-2022	05-10-2022	All students

Week 7	Visit websites of other colleges and taking references	06-10-2022	13-10-2022	All students
Week 8	Discussion regarding new modules of college website	14-10-2022	21-10-2022	All students
Week 9	Identifying problem statement and drawbacks of existing system	21-10-2022	28-10-2022	All students
Week 10	Creation of various modules of project	28-10-2022	04-11-2022	All students
Week 11	Collecting information of modules of project	04-11-2022	11-11-2022	All students
Week 12	Formulation of the collected information	18-11-2022	25-11-2022	All students
Week 13	Designing the DFDs for various levels of the project	25-11-2022	02-12-2022	All students
Week 14	Designing the ER diagram for project	02-12-2022	09-12-2022	All students
Week 15	Preparing the final report for project	09-12-2022	16-12-2022	All students

Week 16	Submission of the final report for project	16-12-2022	23-12-2022	All students

CHAPTER 8

REFERENCES AND BIBLOGRAPHY

Web:

www.w3school.com

www.bootstrap5.com

www.html5rocks.com

www.codewithharry.com

www.codeacademy.com

www.khanacademy.com

www.mitopnecourse.com

www.freecodecamp.com

www.youtube.in

www.css50.com

Books:

- Learn Java for Web Development
- Flask Web Development
- The full stack developer
- WordPress for Web Development
- MEAN Web Development
- Web Coding and Web Development
- Modern Web Developmen