

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**  
**“Jnana Sangama”, Belgaum -590014, Karnataka.**



**PROJECT WORK-2 REPORT**  
**On**

**“Project Title”**

*Submitted by*

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*Under the Guidance of*  
**DR. PALLAVI G B**

*in partial fulfilment for the award of the degree of*  
**BACHELOR OF ENGINEERING**  
*in*  
**COMPUTER SCIENCE AND ENGINEERING**



**B.M.S. COLLEGE OF ENGINEERING**

**(Autonomous Institution under VTU)**

**BENGALURU-560019 JUNE 2021**

**B. M. S. College of Engineering,  
Bull Temple Road, Bangalore 560019**  
(Affiliated to Visvesvaraya Technological University, Belgaum)  
**Department of Computer Science and Engineering**



**CERTIFICATE**

This is to certify that the project work entitled **“Project Title”** carried out by **NIKHIL S N(1BM19CS102), NITISH KUMAR M(1BM19CS107), PREM P SAI(1BM19CS109), HARSHA V N(1BM20CS406)** who are bonafide students of **B. M. S. College of Engineering**. It is in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Engineering** of the Visveswaraiiah Technological University, Belgaum during the year 2021. The project report has been approved as it satisfies the academic requirements in respect of **Project Work-2(19CS4PWPW2)** work prescribed for the said degree.

Signature of the Guide

**Prof. Namratha M.**  
Assistant Professor  
BMSCE, Bengaluru

Signature of the HOD

Dr. Umadevi V.  
Prof & Head of Dept of CSE  
BMSCE, Bengaluru

External Viva

Name of the Examiner

Signature with date

## **B.M.S. COLLEGE OF ENGINEERING**

### **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



### **DECLARATION**

We, **NIKHIL S N(1BM19CS102), NITISH KUMAR M(1BM19CS107), PREM P SAI(1BM19CS109), HARSHA V N(1BM20CS406)**

students of 4th Semester, B.E, Department of Computer Science and Engineering, BMS College of Engineering, Bangalore, hereby declare that, this Project Work-2 entitled "**Project Title**" has been carried out by us under the guidance of **DR.PALLAVI G B, Assistant Professor**, Department of CSE, BMS College of Engineering, Bangalore during the academic semester February-June 2021.

We also declare that to the best of our knowledge and belief, the development reported here is not from part of any other report by any other students.

Signature

**NIKHIL S N (1BM19CS102)**  
**NITISH KUMAR M(1BM19CS107)**  
**PREM P SAI(1BM19CS109)**  
**HARSHA V N(1BM20CS406)**

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## **INTRODUCTION**

### **1.1 Overview**

This project is done with the html, css , javascript and bootstrap for the frontend design and we used nodejs and mysql for backend.

This project helps us to collect student details who are already registered through any mode of admissions like kcet , comedk or management. In recent years, Because of the pandemic like covid-19 our form is helpful for collecting students' detail from their home only. student can easily fill this form and this form is also helpful for college admission team to easily get the students who are registered and their details can be viewed and updated.

### **1.2 Motivation**

We have created this form especially for the students who are facing the problem to visit the college to get the admission and to provide their details to the college. We are motivated to do this because now the situation is too bad and critical as we are facing covid-19 pandemic.

This covid-19 disease is Affecting and causing huge negative impact on the educational institutions and also on the students and has become a hurdle for the growth of the learning field. because of this pandemic, new students who are about to join the college are not able to visit the college. Our form helps these students to fill their details such as academic, personal and also family details which can be viewed and stored by the college for further use.

# SOFTWARE REQUIREMENTS

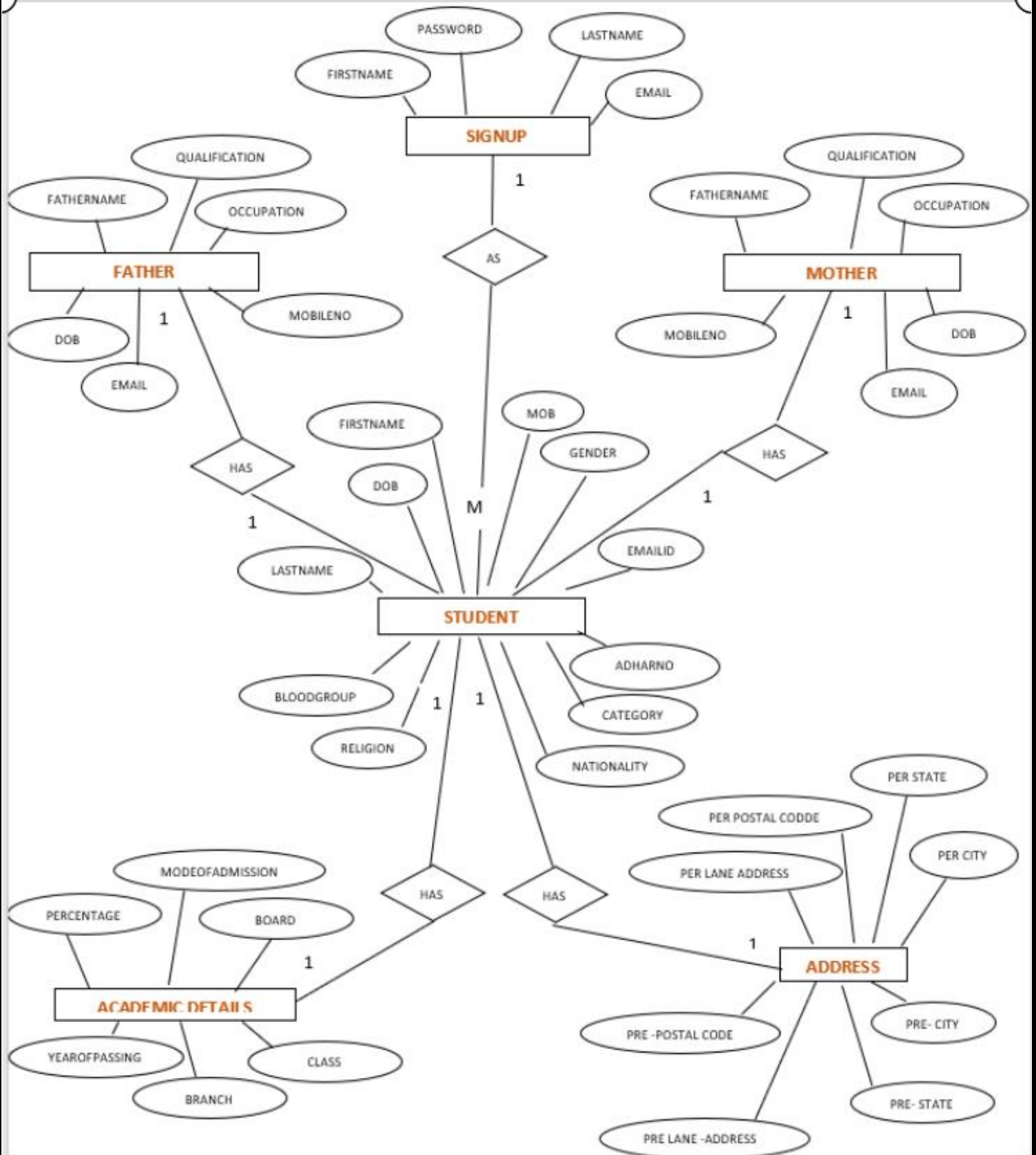
## 2.1 Hardware Requirements:

- A PC with the following or greater specifications:
  - Intel Core i3 or higher
  - 4 GB RAM
  - 128 GB Hard Drive and higher
- A stable internet connection (2Mbps or higher)

## 2.2 Software Requirements:

- ∞ Operating system : Windows, Linux, MAC
- ∞ Front end technologies are : HTML, CSS, JAVASCRIPT ,BOOTSTRAP
- ∞ IDE : VS Code, ATOM
- ∞ Back end requirement : NODEJS, MYSQL
- ∞ Server : XAMPP server

### 3. ER DIAGRAM OF PROJECT



## 4. SCHEMA OF THE PROJECT

### STUDENT DETAILS TABLE

<u>SID</u>	FIRSTNAME	LASTNAME	DOB	GENDER	MOBILENO	EMAILID	BLOODGROUP	NATIONALITY	RELIGION	CATEGORY	ADHARCARDNO
------------	-----------	----------	-----	--------	----------	---------	------------	-------------	----------	----------	-------------

### ACADEMIC DETAILS

SID//	MODE OF ADMISSION	BRANCH	CLASS	BOARD	YEAR OF PASSING	PERCENTAGE
-------	-------------------	--------	-------	-------	-----------------	------------

### FATHER DETAILS

SID//	FATHER NAME	DOB	QUALIFICATION	OCCUPATION	MOBILENO	EMAIL
-------	-------------	-----	---------------	------------	----------	-------

### MOTHER DETAILS

SID//	MOTHER NAME	DOB	QUALIFICATION	OCCUPATION	MOBILENO	EMAIL
-------	-------------	-----	---------------	------------	----------	-------

### ADDRESS DETAILS

SID//	PER LINE ADDRESS	PER POSTAL CODE	PER CITY	PER STATE	PRE LANE- ADDRESS	PRE-POSTAL CODE	PRE-CITY	PRE-STATE
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### SIGNUP


SID//	FIRSTNAME	LASTNAME	EMAIL	PASSWORD
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       PRIMARY KEY      // FOREIGN KEY



## USER INTERFACE DESIGN

### 1.SIGNUP:



**B.M.S COLLEGE OF ENGINEERING**  
Autonomus institue, Affiliated to VTU  
Estd.1946


### Sign Up

Please fill in this form to create an account!

Already have an account? [Login here](#)


Student signup page is the page where new student can signup by providing his first name, last name, email, password and confirm password. If the student has already an account, then they can directly login through login or sign in page.


## 2.1-STUDENT SIGNIN PAGE:



**B.M.S COLLEGE OF ENGINEERING**  
Autonomus institue, Affiliated to VTU  
Estd.1946

### Sign In

 Email ID

 Password


Log in

☐ Remember me [Forgot Password?](#)

[Login as admin!](#)  
[Don't have an account! Sign up here.](#)


Student sign in page , In this page student can directly login by providing email id and password to login directly to the home page and here email is validated.


## 2.2-ADMIN LOGIN PAGE:



**B.M.S COLLEGE OF ENGINEERING**  
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Estd.1946

### Admin Login

 Email ID

 Password

Log in

☐ Remember me [Forgot Password?](#)

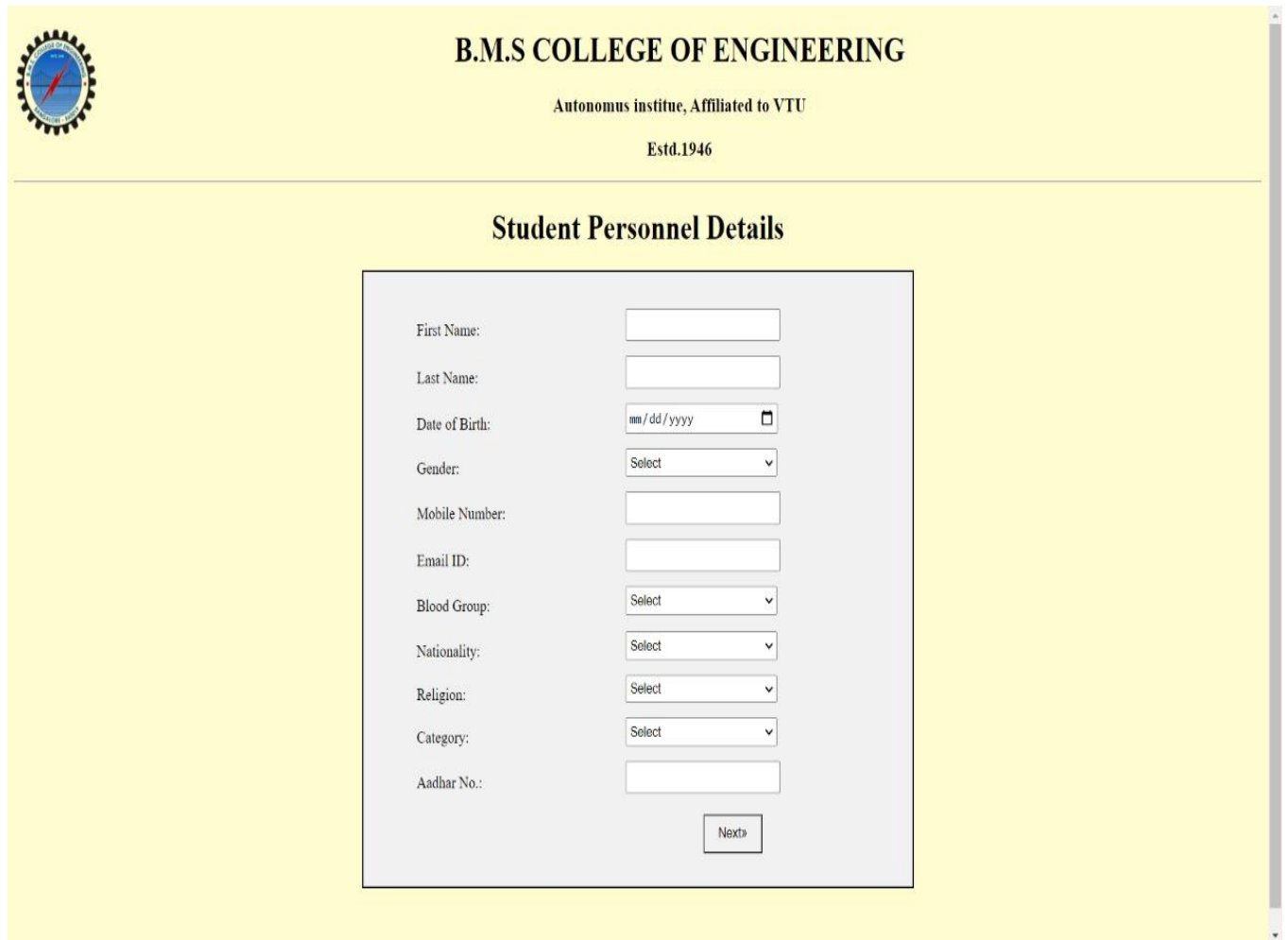
Admin login page where admin can enter to his home page by email id and password and here also email id is validated.

### 3.HOME PAGE-




Student home page where student can register for the admission to our college and student can also know more information about our college with this page.

#### 4.STUDENT PERSONAL DETAILS PAGE:




The screenshot displays the 'Student Personnel Details' form on the B.M.S College of Engineering website. The header includes the college's logo, name, affiliation to VTU, and establishment year (1946). The form itself is a light gray box with a title 'Student Personnel Details' and contains the following fields: First Name, Last Name, Date of Birth (with a calendar icon), Gender (dropdown), Mobile Number, Email ID, Blood Group (dropdown), Nationality (dropdown), Religion (dropdown), Category (dropdown), and Aadhar No. A 'Next »' button is located at the bottom right of the form.

Student Personnel Details	
First Name:	<input type="text"/>
Last Name:	<input type="text"/>
Date of Birth:	<input type="text" value="mm/dd/yyyy"/> 
Gender:	<input type="text" value="Select"/> ▼
Mobile Number:	<input type="text"/>
Email ID:	<input type="text"/>
Blood Group:	<input type="text" value="Select"/> ▼
Nationality:	<input type="text" value="Select"/> ▼
Religion:	<input type="text" value="Select"/> ▼
Category:	<input type="text" value="Select"/> ▼
Aadhar No.:	<input type="text"/>
<input type="button" value="Next »"/>	

Student personal details page, we are collecting students personal details including his name, dob, gender, mobile number, email id , adhar no etc from the students.

## 5.STUDENT ACADEMIC DETAILS PAGE:

 **B.M.S COLLEGE OF ENGINEERING**  
Autonomus institue, Affiliated to VTU  
Estd.1946

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**Student Academic Details**

Mode of Admission  
☐ CET ☐ COMEDK ☐ MANAGEMENT ☐ CET-SNQ

Branch:

**class 10th**

Board:

Year of passing

percentage obtained

**class 12th**

Board:

Year of passing

percentage obtained

Student academic details page is where we are collecting students academic related information including the mode of admission, class 10 and 12 details.

## 6.STUDENTS FAMILY DETAILS PAGE:



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**Family particulars**

Father	Mother
Name <input type="text"/>	Name <input type="text"/>
Date of birth <input type="text" value="mm/dd/yyyy"/>	Date of birth <input type="text" value="mm/dd/yyyy"/>
Qualification <input type="text" value="Select"/>	Qualification <input type="text" value="Select"/>
Occupation <input type="text" value="Select"/>	Occupation <input type="text" value="Select"/>
Mobile no: <input type="text"/>	Mobile no: <input type="text"/>
Email: <input type="text"/>	Email: <input type="text"/>

**Present address**  
Lane address

Lane address

Postal code

City

State

**Permanent address**  
☐ same as present address  
Lane address

Postal code

City

State

Family particulars page, we are collecting students family related details like his father, mother details and also we are taking students present and permanent address.

## 7.STUDENT DETAILS DISPLAY PAGE:



**B.M.S COLLEGE OF ENGINEERING**  
Autonomus institute, Affiliated to VTU  
Estd.1946

Log Out

**Student Details**

First Name :	nikhil
Last Name :	chand
Date of Birth :	Wed Jun 02 2021 00:00:00 GMT+0530 (India Standard Time)
Gender :	Male
Mobile Number :	9874563210
Email ID :	nikhilsn360@gmail.com
Blood Group :	o+
Nationality :	Indian
Religion :	Buddhism
Category :	OBC
Aadhaar Number :	123654789147

**Academic Details**

Mode of Admission :	MANAGEMENT
Branch :	Computer Science and Engineering

Class 10 :

Board :	Karnataka Secondary Education Examination Board
Year of Passing :	2013
Percentage Obtained :	56

Class 12 :

Board :	Punjab School Education Board
Year of Passing :	2019
Percentage Obtained :	58

**Family Particulars**

Father :

Name :	narayanaswamy
Date of Birth :	Fri Jun 18 2021 00:00:00 GMT+0530 (India Standard Time)

Occupation :	Business
Mobile Number :	8974578965
Email ID :	undefined

## Address

### Present Address :

Lane Address :	5th main road nr colony
Postal Code :	560050
City :	banglore
State :	karnataka

### Permanent Address :


Lane Address :	5th main road nr colony
Postal Code :	560050
City :	banglore
State :	560050

Print this page

After student has entered his details, we are displaying his information which he had provided in this form and student can take a copy for his reference.



## 8.ADMIN PAGE:



**B.M.S COLLEGE OF ENGINEERING**  
Autonomus institue, Affiliated to VTU  
Estd.1946

Branch:  Year:

### Student Details

Sl no	Firstname	Lastname	Email	Student ID	Branch
1	Nikhil	S	nikhils.cs19@bmsce.ac.in	1	Computer Science and Engineering
2	Kiran	B	kiranb.me17@bmsce.ac.in	2	Mechanical Engineering
3	Arun	kumar K	arunk.is19@bmsce.ac.in	3	Information Science
4	Anil	M	anil.ec20@bmsce.ac.in	4	Electronics and communication Enginnering
5	Shashikant	singh M	shashikantm.cv19@bmsce.ac.in	5	Civil Engineering
6	Prema	G	premag.bt19@bmsce.ac.in	6	Biotechnology
7	Prajwal	V S	prajwals.mt19@bmsce.ac.in	7	Metalurgical Engineering
8	Nitish	kumar M	nitishm.is19@bmsce.ac.in	8	Information Science
9	Prem	p sai	premsai.me19@bmsce.ac.in	9	Mechanical Engineering
10	Harsha	V N	harsha.cs20@bmsce.ac.in	10	Computer Science and Engineering
11	Gagana	D K	gagana.cv18@bmsce.ac.in	11	Civil Engineering

At last is the admin home page where he can view all students who are registered and given the details and he can filter it by branch and also, he can filter it by year for simplification.

## 5.REFERENCES:

1. [https://www.tutorialspoint.com/nodejs/nodejs\\_express\\_framework.htm](https://www.tutorialspoint.com/nodejs/nodejs_express_framework.htm).
2. [https://www.w3schools.com/nodejs/nodejs\\_mysql.asp](https://www.w3schools.com/nodejs/nodejs_mysql.asp).
3. <https://youtu.be/JnvKXcSI7yk>.