

# **Student Information System**

REPORT OF MINOR PROJECT SUBMITTED FOR  
FULFILLMENT OF THE REQUIREMENT FOR THE DEGREE OF  
BACHELOR OF TECHNOLOGY  
IN INFORMATON TECHNOLOGY

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UNDER THE SUPERVISION OF

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AT

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# ACKNOWLEDGEMENT

Presentation, Inspiration and Motivation have always played a key role in the success of any venture.

We would like to express our gratitude towards **Dr. Aditi Sharma**, Assistant Professor, CSE Department of 'Institute of Engineering and Technology, Lucknow' for her valuable suggestions and encouragement in accomplishment of our project on '**Student Information System**'.

I would like to extend my deep appreciation to all my group members, without their support and coordination, we would not have been able to complete this project. I hope we will achieve more in our future endeavours.

B.Tech IT – 5<sup>th</sup> Semester, IET Lucknow

# INSTITUTE OF ENGINEERING AND TECHNOLOGY LUCKNOW



Lucknow – 226021, INDIA

## **CERTIFICATE OF ACCEPTANCE**

The report of the Project titled “**Student information system**” is hereby recommended to be accepted for fulfilment of the requirements for B.Tech degree in Institute of Engineering and Technology Lucknow .

Signature with date

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# **Introduction:**

Student Information System can handle all the details about a student. The details include college details, students personal details, Academic details,etc.

This System is mainly focusses on basic operations like inserting, deleting and editing of students information. Using this information system a user can get every information about student's of an institute.

The student information system is an automated version of manual Student information system.

Through this online system we may overcome many problems like:

- The time consumed by the students in the department is reduced
- The work done by this system is more efficient

## **Technology Used:**

- Frontend Language Used : Java Swing
- Backend Language Used : Java
- Database Technology Used ; Mysql
- XAMPP (A web server by Apache Friends)

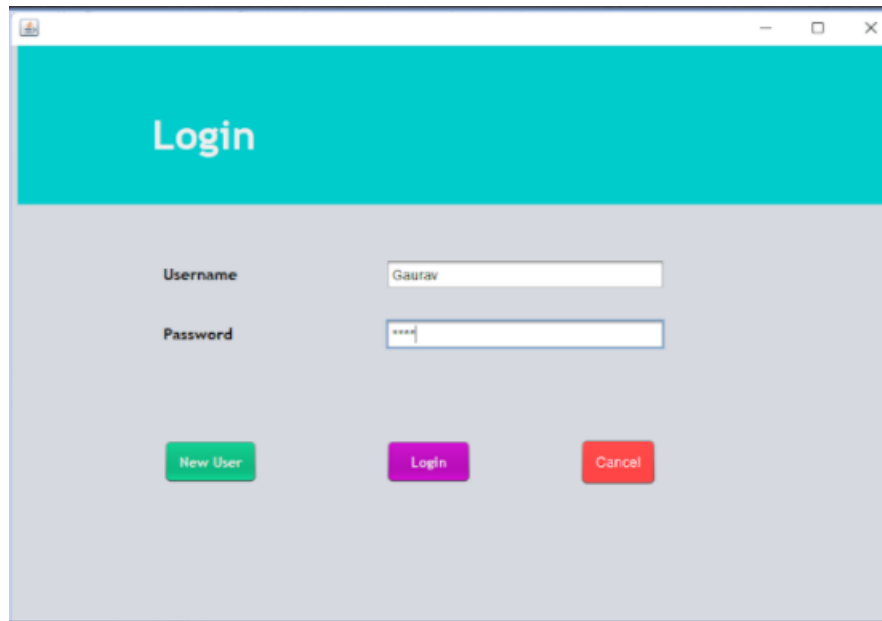
## **Software Requirements:**

- Windows XP /7/10 will be preferred OS.
- Wamp/xampp server.
- JDK Kit .
- Apache Netbeans IDE.

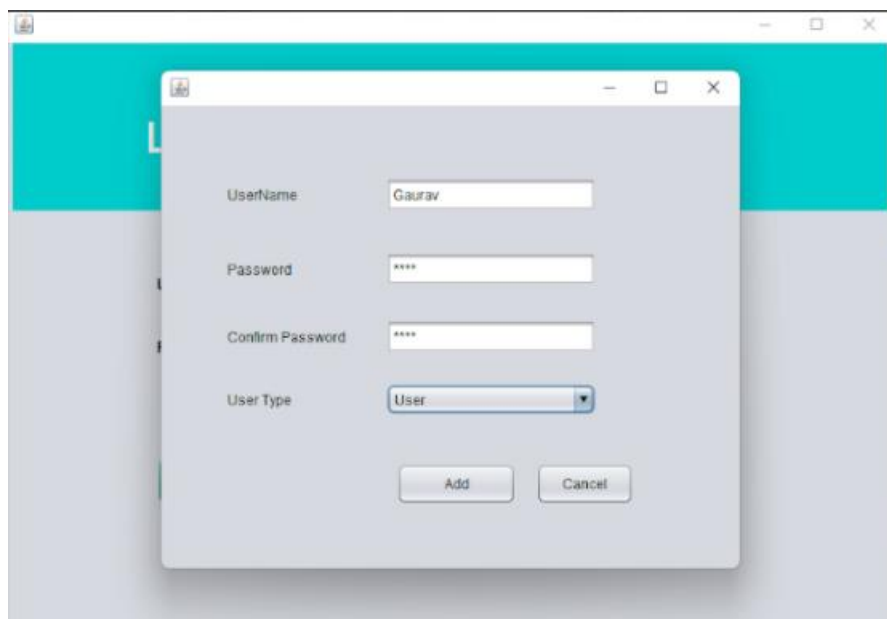
## **Hardware Requirements:**

- Dual core Processor.
- 128 MB RAM, 40 GB ROM.
- Keyboard.
- Mouse.

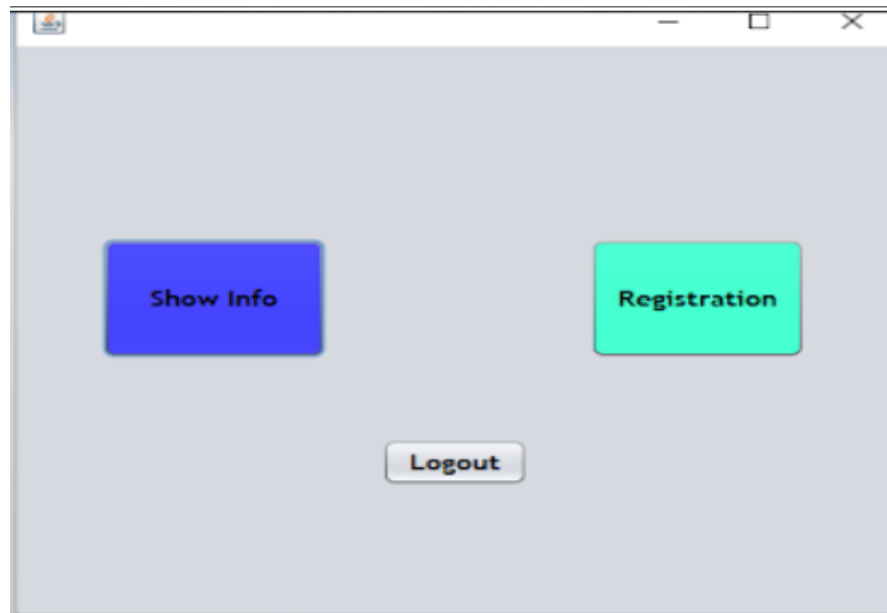
## Snapshots:



A screenshot of a web application's login page. The page has a teal header with the word "Login" in white. Below the header, on a light gray background, are two input fields: "Username" with the text "Gaurav" and "Password" with masked characters "\*\*\*\*". At the bottom, there are three buttons: a green "New User" button, a purple "Login" button, and a red "Cancel" button.



A screenshot of a "New User" registration modal window. The modal is a light gray box with rounded corners, centered over the login page. It contains four input fields: "UserName" with "Gaurav", "Password" with "\*\*\*\*", "Confirm Password" with "\*\*\*\*", and "User Type" with a dropdown menu showing "User". At the bottom of the modal are two buttons: "Add" and "Cancel".



A screenshot of a "Registration" form window. The window has a purple header bar with the word "Registration" in white. Below the header, the form contains several input fields and two buttons. The fields are labeled "FirstName", "LastName", "Roll No.", "Gender", "Course", "Batch", "Telephone", and "Address". The "Gender" field has radio buttons for "Male" (selected) and "Female". The "Course" and "Batch" fields are dropdown menus. The "Save" and "Cancel" buttons are located to the right of the form fields.

Field	Value
FirstName	Anand
LastName	Yadav
Roll No.	1900520130011
Gender	Male
Course	OSD
Batch	IT
Telephone	123165
Address	



**Registration**

FirstName: Anand

LastName: Yadav

Roll No.: 1900520130011

Gender: ☒ Male ☐ Female

Course: OSD

Batch: IT

Telephone: 123165

Address:

**Message**

**i** Registration Created.

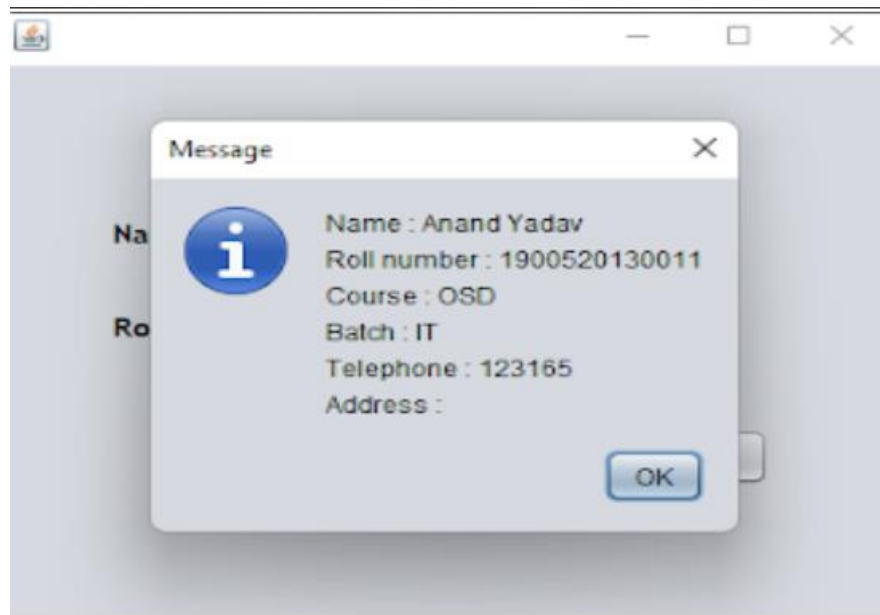
OK

Cancel

**Name** Anand

**Roll no.** 1900520130011

Show Cancel



# Login

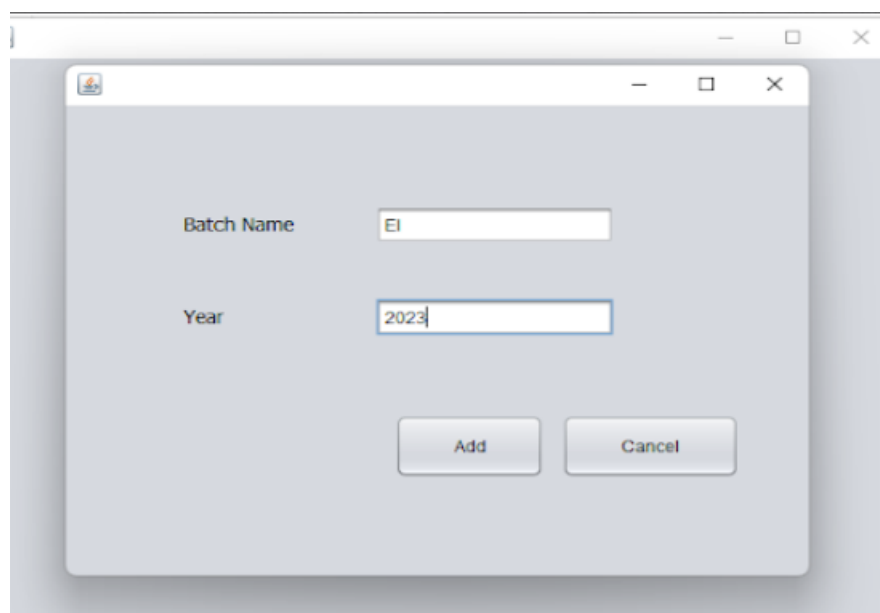
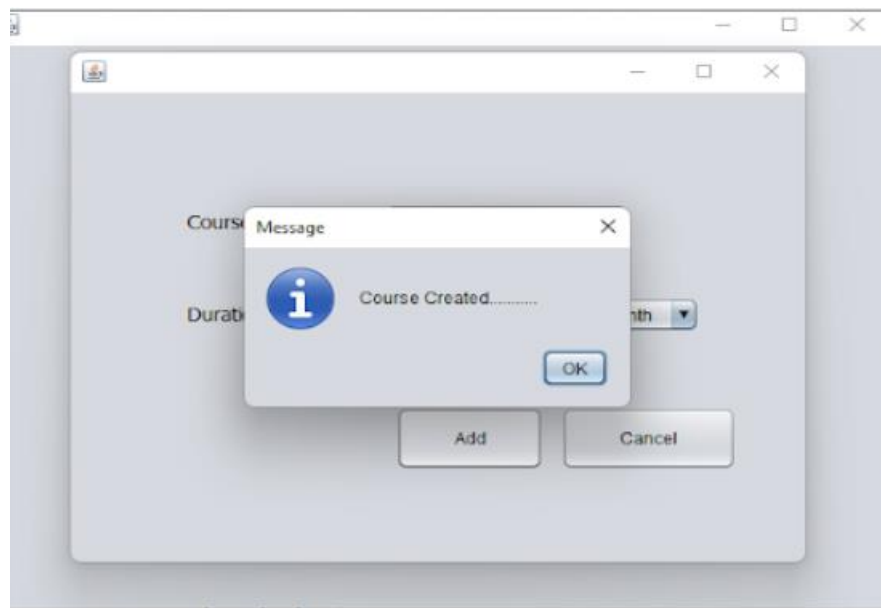
Username

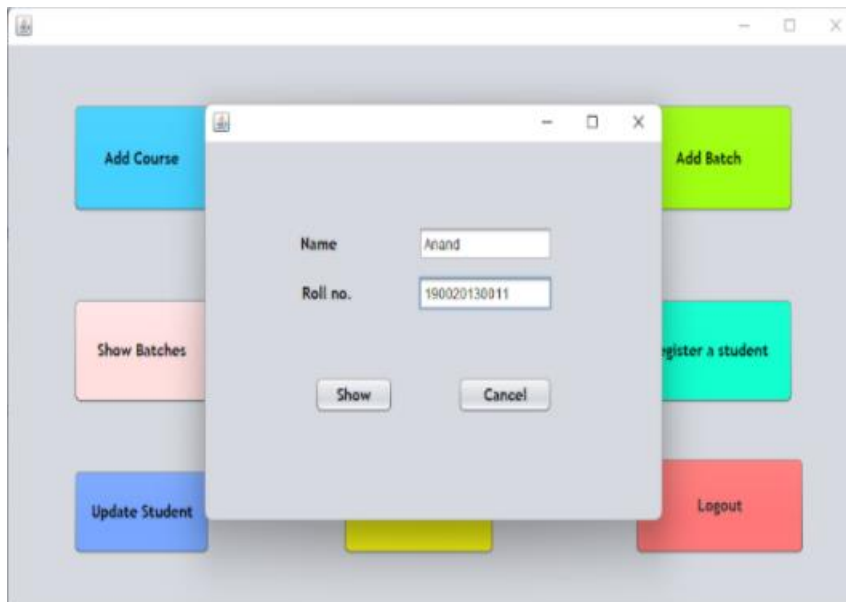
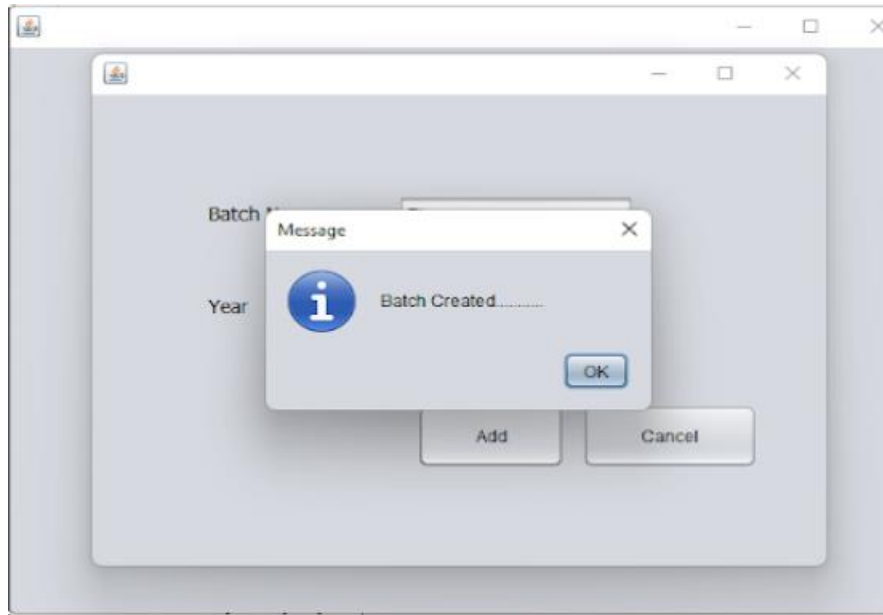
Password

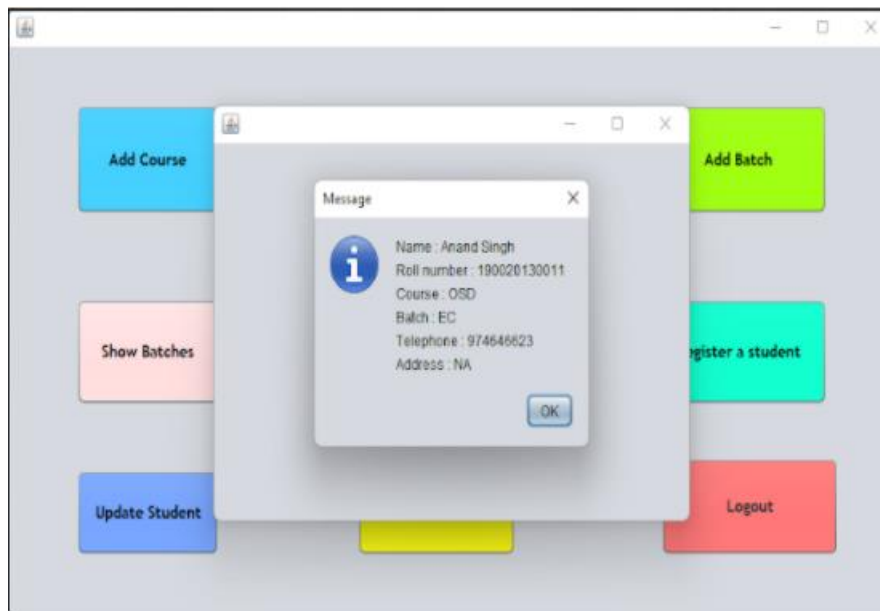


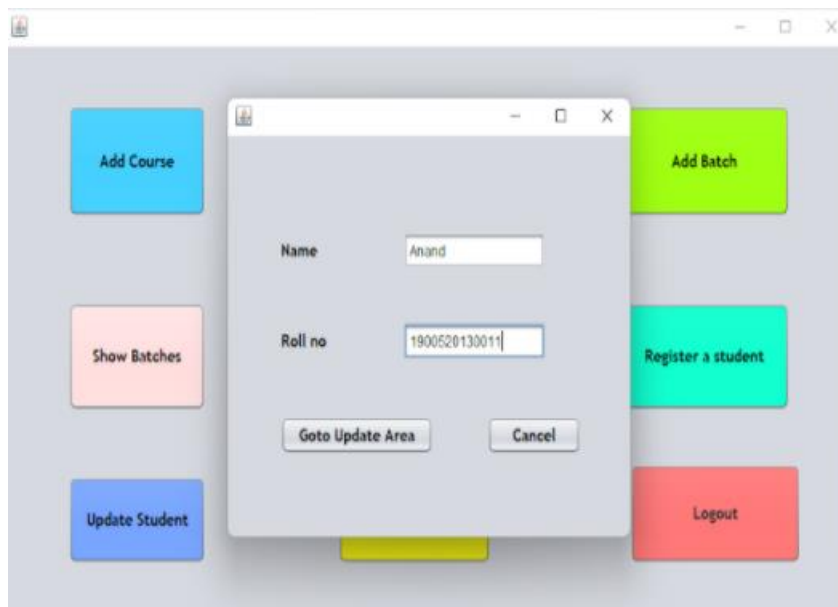
A screenshot of a form window for adding a course. The window has a standard title bar with a small icon on the left and minimize, maximize, and close buttons on the right. The background is a light gray. The form contains two labeled input fields and two buttons:

- Course Name:** A text input field containing the text "DBMS".
- Duration:** A text input field containing the number "6", followed by a dropdown menu currently showing "Month".
- Buttons:** Two buttons labeled "Add" and "Cancel" are positioned at the bottom of the form.









Registration

FirstName: Anand

LastName: Yadav

Roll No.: 1900520130011

Gender: ☒ Male ☐ Female

Course: OSD

Batch: IT

Telephone: 123165

Address:

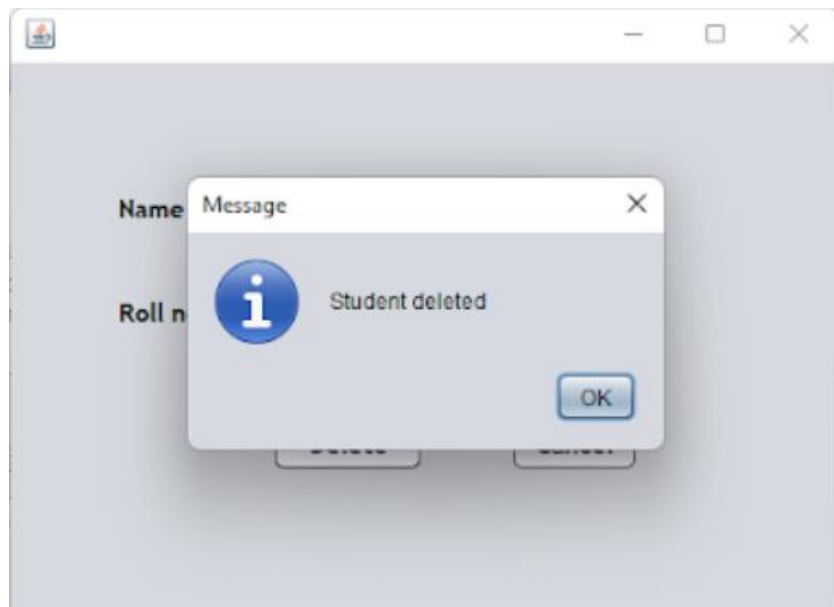
Save Cancel

Name: Anand

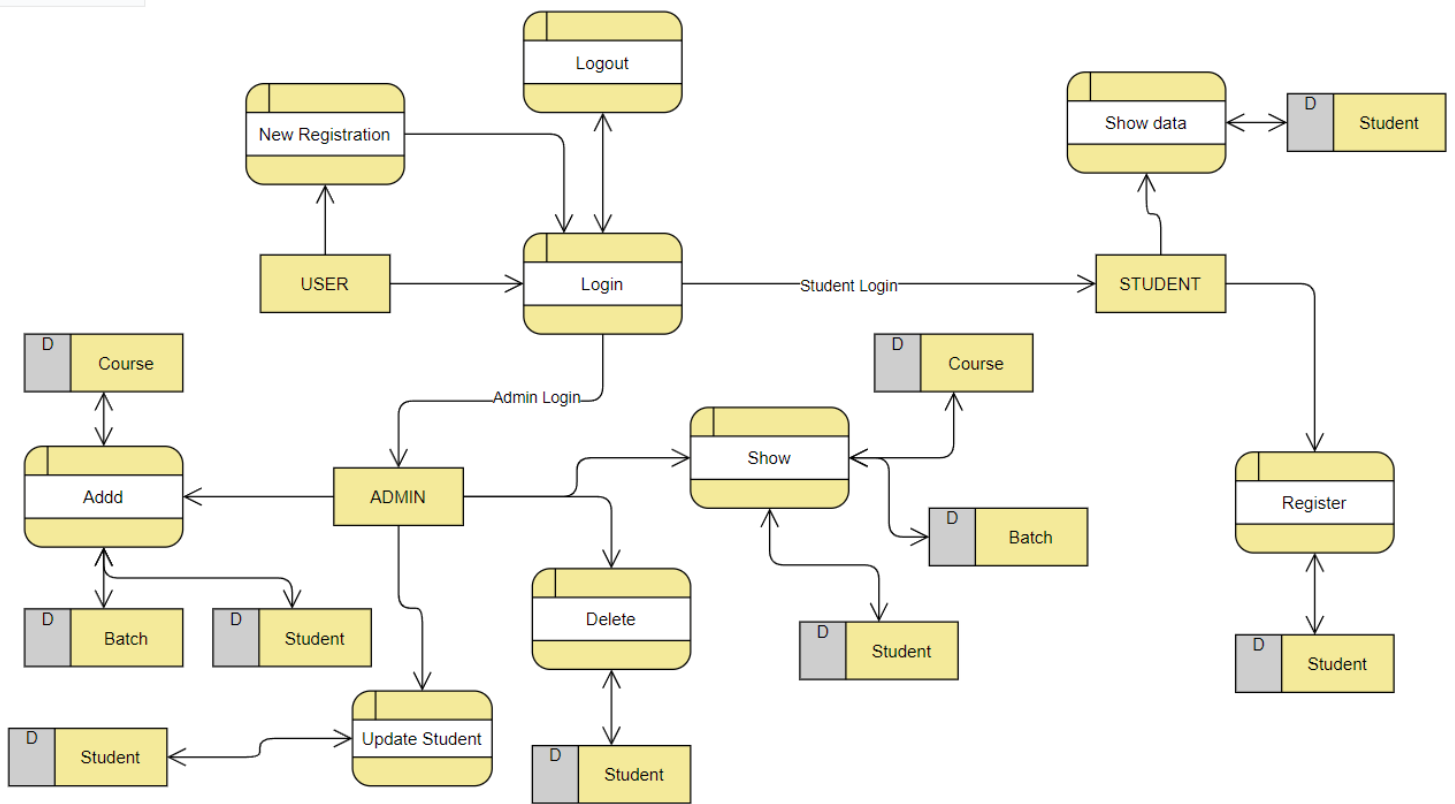
Roll no: 190020130011

Delete Cancel

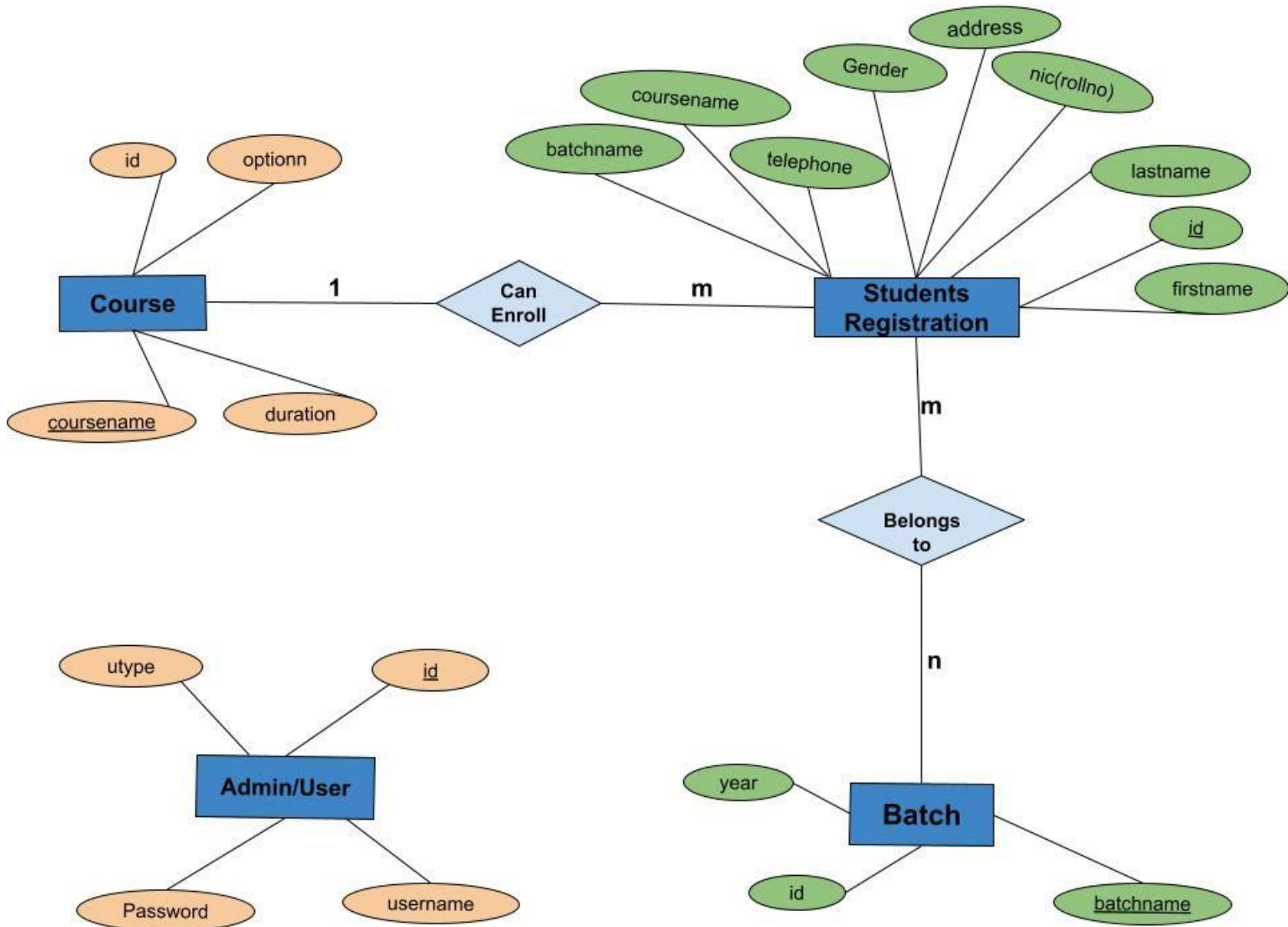




# DFD:



# ERD:



# Code:

```
-- phpMyAdmin SQL Dump
-- version 5.1.1
-- https://www.phpmyadmin.net/
--
-- Host: 127.0.0.1
-- Generation Time: Dec 28, 2021 at 09:44 AM
-- Server version: 10.4.22-MariaDB
-- PHP Version: 8.0.13

SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
START TRANSACTION;
SET time_zone = "+00:00";

/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8mb4 */;

--
-- Database: `studentinformation`
--

-----

--
-- Table structure for table `batch`
--

CREATE TABLE `batch` (
  `id` int(11) NOT NULL,
  `batchname` varchar(255) NOT NULL,
  `year` int(11) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `batch`
--

INSERT INTO `batch` (`id`, `batchname`, `year`) VALUES
(1, 'CS', 2023),
(2, 'IT', 2023),
(5, 'EC', 2023);

-----

--
-- Table structure for table `course`
--

CREATE TABLE `course` (
  `id` int(11) NOT NULL,
  `coursename` varchar(255) NOT NULL,
  `duration` int(11) NOT NULL,
  `optionn` varchar(255) NOT NULL
```

```
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
--
```

```
-- Dumping data for table `course`
```

```
--
```

```
INSERT INTO `course` (`id`, `coursename`, `duration`, `optionn`) VALUES
```

```
(1, 'ML', 12, 'Week'),
```

```
(2, 'OSD', 12, 'Week'),
```

```
(3, 'Web Tech', 12, 'Week');
```

```
-----
```

```
--
```

```
-- Table structure for table `registration`
```

```
--
```

```
CREATE TABLE `registration` (
```

```
  `id` int(11) NOT NULL,
```

```
  `firstname` varchar(255) NOT NULL,
```

```
  `lastname` varchar(255) NOT NULL,
```

```
  `nic` varchar(255) NOT NULL,
```

```
  `gender` varchar(255) NOT NULL,
```

```
  `coursename` varchar(255) NOT NULL,
```

```
  `batchname` varchar(255) NOT NULL,
```

```
  `telephone` int(11) NOT NULL,
```

```
  `address` text NOT NULL
```

```
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
--
```

```
-- Dumping data for table `registration`
```

```
--
```

```
INSERT INTO `registration` (`id`, `firstname`, `lastname`, `nic`, `gender`, `coursename`, `batchname`, `telephone`,  
`address`) VALUES
```

```
(4, 'Saurabh', 'Upadhayay', '45', 'Male', 'ML', 'IT', 12345, 'Raman B'),
```

```
(5, 'Saurabh', 'Upadhayay', '45', 'Male', 'ML', 'IT', 123, 'Raman B');
```

```
-----
```

```
--
```

```
-- Table structure for table `user`
```

```
--
```

```
CREATE TABLE `user` (
```

```
  `id` int(11) NOT NULL,
```

```
  `username` varchar(255) NOT NULL,
```

```
  `password` varchar(255) NOT NULL,
```

```
  `utype` varchar(255) NOT NULL
```

```
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
--
```

```
-- Dumping data for table `user`
```

```
--
```

```
INSERT INTO `user` (`id`, `username`, `password`, `utype`) VALUES
```

```
(4, 'Saurabh', '123', 'User'),
```

```
(5, 'Aadarsh', '123', 'User'),
```

```
(6, 'Admin', '123', 'Admin'),
```

```
(7, 'Anand ', '123', 'User'),
```

```
(11, 'Admin1', '123', 'Admin');
```

```
--
```

```
-- Indexes for dumped tables
```

```
--
```

```

--
-- Indexes for table `batch`
--
ALTER TABLE `batch`
  ADD PRIMARY KEY (`id`);

--
-- Indexes for table `course`
--
ALTER TABLE `course`
  ADD PRIMARY KEY (`id`);

--
-- Indexes for table `registration`
--
ALTER TABLE `registration`
  ADD PRIMARY KEY (`id`);

--
-- Indexes for table `user`
--
ALTER TABLE `user`
  ADD PRIMARY KEY (`id`);

--
-- AUTO_INCREMENT for dumped tables
--

--
-- AUTO_INCREMENT for table `batch`
--
ALTER TABLE `batch`
  MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=6;

--
-- AUTO_INCREMENT for table `course`
--
ALTER TABLE `course`
  MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=4;

--
-- AUTO_INCREMENT for table `registration`
--
ALTER TABLE `registration`
  MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=6;

--
-- AUTO_INCREMENT for table `user`
--
ALTER TABLE `user`
  MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=12;
COMMIT;

/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;

```