

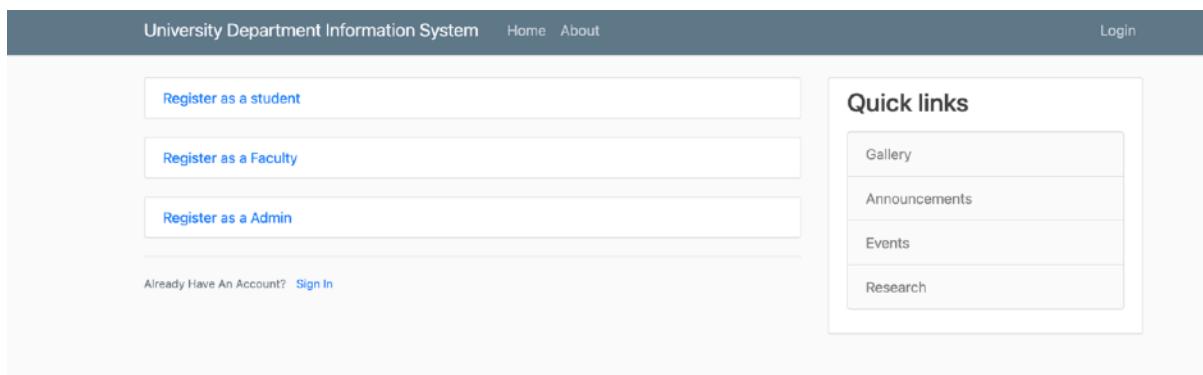
Group: 9

Instructions for using the code:

- ✓ Open the project directory in command prompt or a terminal.
- ✓ Type the command “python run.py”
- ✓ The program will be launched. Type the local server link “http://127.0.0.1:5000/”
- ✓ in your browser and you are ready to use the Flask app.
- ✓ There is a problem that the database is on a local server so only those who have made the database in their system will be able to access it.

Manual testing compliance report

Web Page before user authentication:



This is the home page of the UDIS Software, where we can see several links and options.

We can see some quick links, and some options like Home and About on the bar at the top.

We can also see the 3 options representing 3 different ways to register.

IIT Kharagpur

Dedicated to the service of the Nation



Quick links

- Gallery
- Announcements
- Events
- Research

Motto

The motto of IIT Kharagpur is "Yogah Karmasu Kaushalam". This literally translates to "Excellence in action is Yoga", essentially implying that doing your work well is (true) yoga. This can be traced to Sri Krishna's discourse with Arjuna in the Bhagavad Gita. The quote, in the larger context of the Gita, urges man to acquire equanimity because a mind of equanimity allows a man to shed distracting thoughts of the effects of his deeds and concentrate on the task before him. Equanimity is the source of perfection in Karmic endeavours that leads to Salvation.

Mission

The Institute aligns all its activities to serve national interest and seeks To provide broad-based education, helping students hone their professional skills and acquire the best-in-class capabilities in their respective disciplines To draw the best expertise in science, technology, management and law so as to equip students with the skills to visualize, synthesize and execute projects in these fields To imbibe a spirit of entrepreneurship and innovation in its students To undertake sponsored research and provide consultancy services in industrial, educational and socially relevant areas

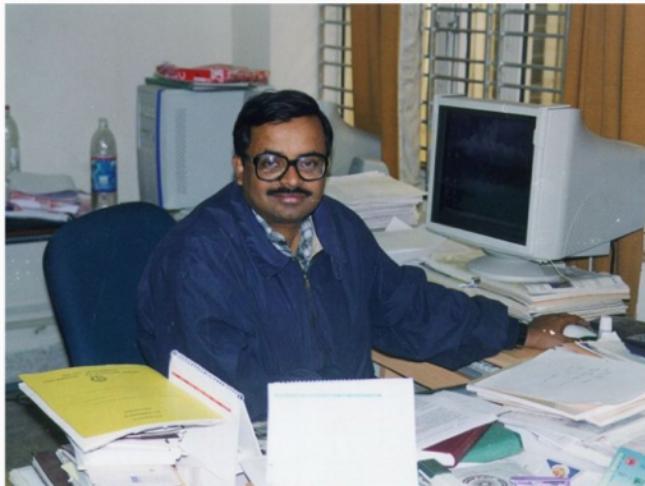
This is the page that comes up here when we select the option About in the bar at the top. This basically shows some general information about the University that can be viewed without logging in.

Gallery



These are the screenshots of the page obtained when we click on the option Gallery in the Quick Links of the homepage of the UDIS Software.ick on the **gallery** button.

Research



Quick links

- [Gallery](#)
- [Announcements](#)
- [Events](#)
- [Research](#)

Prof. PPC - Artificial Intelligence, CAD for VLSI, Algorithms, Formal Verification.

The faculty and students pursue research in various fundamental aspects of Machine Learning, such as, distributed and communication efficient algorithms for Machine Learning and Big Data, deep neural network architectures, learning with temporal point processes, etc. We work on many diverse applications of Machine Learning to Social Networks, Transportation Networks, Climate Networks, Weather and climate modeling and prediction, Music and Natural Language Processing. Some of our work include Link Prediction.

IIT Kharagpur Professor of Computer Science and Engineering, Animesh Mukherjee Wins Facebook Award for Artificial Intelligence Research in Targeted Media Bias



The award winning project is part of a collaborative work with Prof. Pawan Goyal and PhD student Souvik Chakraborty

IIT Kgp Prof. Animesh Mukherjee got facebook award in Artificial Intelligence.

IIT Kharagpur

Indian Institute of Technology Kharagpur

IIT Kharagpur develops e-Classroom software for Indian academia

deekshak
An Online Synchronous E-Learning Platform



IIT Kgp develops Deekshak a e-classroom software for Indian academia.

This page is obtained when we click on the **Research** button

Register as admin

Username

Email

Password

Confirm Password

[Register](#)Already Have An Account? [Sign In](#)

This is the page obtained when we click on ‘Register as admin’ in the homepage of the UDIS Software. Here we can register as an admin of the Department.

Register as faculty

Username

Email

Sex

Address

Course taught

Password

Confirm Password

Quick links

Gallery

Announcements

Events

Research

This is the page obtained when we click on ‘Register as faculty’ in the homepage of the UDIS Software. Here we can register as a faculty working in the University.

Register as student

Username

Email

Sex

Address

Password

Confirm Password

[Register](#)

Quick links

[Gallery](#)[Announcements](#)[Events](#)[Research](#)

This is the page obtained when we click on 'Register as student' in the homepage of the UDIS Software. Here we can register as a Student studying in the University.

Announcements

Coding mania 2021, Registrations open

IIT Kharagpur to conduct COVID-19 survey

Kalpana Chawala Institute of Space Research to be opened soon....

etc.

Quick links

[Gallery](#)[Announcements](#)[Events](#)[Research](#)

The **Announcements** Page is obtained when we click on the **Announcements** button.

Events

Seminar on Quantum Computing by Dr. Paul Benioff

Seminar on history of computing by Prof. Partha Pratim Das

Workshop on Deep learning by Google

etc.

Quick links

Gallery

Announcements

Events

Research

This is obtained when we click on the quick link '**Events**' showing some of the events that are going to happen in the University.

Log In

Email

Password

Remember Me

[Login](#)

[Forgot Password?](#)

Quick links

Gallery

Announcements

Events

Research

Need An Account? [Sign Up Now](#)

This is the page obtained when we click on the login option in the homepage which is present on the bar at the top.

Student:

When a student logins, he can see some quick links at the right of the webpage, and if he clicks on the option ‘Update your info’,

University Department Information System Home About Account Logout

Welcome to
the
University
Department
Information
System
IITkgp



Computer Science and Engineering Department, IIT
Kharagpur

Quick links

- [Update your info](#)
- [Register for a course](#)
- [Course information](#)
- [Department details](#)
- [Department account details](#)

Quick links

- [Update your info](#)
- [Register for a course](#)
- [Course information](#)
- [Department details](#)
- [Department account details](#)

These are the quick links for the student to update his/her information, register for the course, view information of courses registered, details of department and account details of department.

Department Name: CSE

Deposits: 567000

Expenditure: 435000

Quick links[Update your info](#)[Register for a course](#)[Course information](#)[Department details](#)[Department account details](#)

When a student is logged, he can access several quick links as shown above, when we click on 'Department account details' option visible over there; as as accordingly the details are displayed.

This is how the department details page looks after updating the department information

Department Name: cse

Inventory: super computers, desktops

Ongoing Research Projects: Data mining and research

Faculty Publication: research paper on deep learning

Quick links[Update your info](#)[Register for a course](#)[Course information](#)[Department details](#)[Department account details](#)

When a student is logged, he can access several quick links as shown above, when we click on the 'Department details' option visible over there; as as accordingly the details are displayed.

pabitra mitra Computer Science and Engineering

Switching Circuits and Logic Design

about logical designing of switching circuits

prof Sourangshu Computer Science and Engineering

Software Engineering

Implementation of softwares

somesh kumar Computer Science and Engineering

probability and statistics

probability and statistics

Quick links

[Update your info](#)

[Register for a course](#)

[Course information](#)

[Department details](#)

[Department account details](#)

When a student is logged, he can access several quick links as shown above, when we click on the ‘Course Information’ option visible over there; as accordingly the details of the courses available in the University that can be pursued by a student are displayed. These are the offered courses when the demo is being shown and students can register in. By clicking on the blue coloured button **register**, the student gets registered in the course.

pabitra mitra

Computer Science and Engineering

about logical designing of switching circuits

[register](#)

prof Sourangshu

Computer Science and Engineering

Implementation of softwares

[register](#)

somesh kumar

Computer Science and Engineering

probability and statistics

[register](#)

Quick links

[Update your info](#)

[Register for a course](#)

[Course information](#)

[Department details](#)

[Department account details](#)

When a student is logged, he can access several quick links as shown above, when we click on ‘Register for a course’ option visible over there; as accordingly a student can register for any course that is available in the University.



aditya

aditya@gmail.com

Account Info

username - aditya

email - aditya@gmail.com

address - munger

sex - male

contact_number - 8798765645

course_registered - scld

[Update account details](#)

Quick links

[Update your info](#)

[Register for a course](#)

[Course information](#)

[Department details](#)

[Department account details](#)

This is the page obtained when a student with the details as displayed above has logged in to the UDIS Software. We can see that there are several functionalities that are visible over there, typically performed by a student.

This is the demo page of the student logged in, students can access the quick links shown in right and update and view his/her personal and course details.



aditya

aditya@gmail.com

Account Info

Username

Email

Sex

Address

Contact number

Update Profile Picture

No file chosen

[Update](#)

Quick links

[Update your info](#)

[Register for a course](#)

[Course information](#)

[Department details](#)

[Department account details](#)

Faculty:

This is when a faculty has logged in. There are several quick links. This is the page obtained when the link 'Update course details' is pressed.

From the available courses faculty can choose the course and update the details of the course.

The screenshot shows the faculty home page with a dark blue header bar. On the left, there's a sidebar titled "Choose a course" containing three course options. On the right, there's a "Quick links" sidebar with several items.

Choose a course

- Computer Science and Engineering [pabitra mitra](#)
about logical designing of switching circuits
- Computer Science and Engineering [prof Sourangshu](#)
Implementation of softwares
- Computer Science and Engineering [somesh kumar](#)
probability and statistics

Quick links

- Update your info
- Update student's grade
- View student's information
- Update course details
- Course information
- Department details
- Department account details

This is the home of the department information system for student register in the system. This is the page where course details can be updated.

The screenshot shows the student home page with a dark blue header bar. On the left, there's a form for updating course details. On the right, there's a "Quick links" sidebar with several items.

Switching Circuits and Logic Design

pabitra mitra

Update Course Details

Offered Courses

Course Name

Course Details

Update

Quick links

- Update your info
- Update student's grade
- View student's information
- Update course details
- Course information
- Department details
- Department account details

This page shows the personal information of the student searched by faculty.

The screenshot shows a user interface for a university department information system. At the top, there is a dark blue header bar with the text "University Department Information System" on the left, "Home" and "About" in the center, and "Account Logout" on the right. Below the header, the main content area has two main sections. On the left, a box displays personal information for a student named "aditya": Email: aditya@gmail.com, Sex: male, Address: munger, Course registered: scld, and Contact number: 8798765645. On the right, a box titled "Quick links" lists several options: Update your info, Update student's grade, View student's information, Update course details, Course information, Department details, and Department account details. Each link is contained within its own horizontal row.

This is when a faculty has logged in. There are several quick links. This is the page obtained when the link 'View student's information' is pressed, and a particular student is chosen.

This page shows the grades and overall performance of the student. This page can be edited by faculty.

The screenshot shows a user interface for updating student grades. It features a left panel for entering marks and CGPA, and a right panel with quick links. The left panel contains fields for "Marks" and "CGPA", both represented by input boxes. Below these fields is a blue "Update" button. The right panel is identical to the one in the previous screenshot, featuring a "Quick links" section with options: Update your info, Update student's grade, View student's information, Update course details, Course information, Department details, and Department account details.

This is when a faculty has logged in. There are several quick links. This is the page obtained when the link 'Update grade' is pressed, and a particular student's grade can be updated.

This page shows the list of students registered for the course.

University Department Information System Home About Account Logout

jayesh none jayesh@gmail.com	Quick links
aditya scld aditya@gmail.com	Update your info
vishnu none vishnu@gmail.com	Update student's grade
plyush none plyush@gmail.com	View student's information
	Update course details
	Course information
	Department details
	Department account details

This is when a faculty has logged in. There are several quick links. This is the page obtained when the link 'View student's information' is pressed.

University Department Information System Home About Account Logout

 pabitra mitra pabitra@gmail.com	Quick links
Account Info	Update your info
Username <input type="text" value="pabitra mitra"/>	Update student's grade
Email <input type="text" value="pabitra@gmail.com"/>	View student's information
Sex <input type="text"/>	Update course details
Address <input type="text"/>	Course information
Contact number <input type="text"/>	Department details
Course taught <input type="text"/>	Department account details
Update Profile Picture <input type="button" value="Choose file"/> No file chosen	
<input type="button" value="Update"/>	

This is when a faculty has logged in. There are several quick links. This is the page obtained when the link 'Update your info' is pressed, here the faculty can update his details.

Quick links

[Update your info](#)

[Update student's grade](#)

[View student's information](#)

[Update course details](#)

[Course information](#)

[Department details](#)

[Department account details](#)

These are the quick links through which a faculty can navigate after logging in.

Log In

Email

jkahfka

Invalid email address.

Password

This is the login page, which shows that login has become unsuccessful because of wrong email or password being entered.

The screenshot shows the 'Log In' page of the 'University Department Information System'. At the top, a red header bar displays the message 'Login Unsuccessful. Please check email and password'. Below this, the 'Log In' form is displayed. It includes fields for 'Email' (containing 'aditya@gmail.com') and 'Password' (containing several dots). There is also a 'Remember Me' checkbox and two buttons at the bottom: 'Login' (highlighted in blue) and 'Forgot Password?'. The main content area below the login form lists three faculty profiles:

- pabitra mitra** Computer Science and Engineering
Switching Circuits and Logic Design
about logical designing of switching circuits
- prof Sourangshu** Computer Science and Engineering
Software Engineering
Implementation of softwares
- somesh kumar** Computer Science and Engineering
probability and statistics
probability and statistics

On the right side of the page, there is a 'Quick links' sidebar with the following options:

- Update your info
- Update student's grade
- View student's information
- Update course details
- Course information
- Department details
- Department account details

This is when a faculty has logged in. There are several quick links. This is the page obtained when the link 'Update your info' is pressed, here the faculty can update his details.

Admin:

This page shows account information of the Admin of the course.

The screenshot displays the 'University Department Information System' interface. At the top, there's a dark header bar with the system name and navigation links for 'Home' and 'About'. On the right side of the header, there are 'Account' and 'Logout' buttons. The main content area is divided into two sections: 'Account Info' on the left and 'Quick links' on the right. The 'Account Info' section features a circular profile picture with a mountain silhouette, the username 'admin', and the email 'admin@gmail.com'. Below this, under 'Account Info', are the details: 'username - admin' and 'email - admin@gmail.com'. A blue-bordered button labeled 'Update account details' is located at the bottom of this section. The 'Quick links' section is titled 'Quick links' and contains a vertical list of ten items, each with a small blue arrow icon: 'Update your info', 'Add courses', 'Update department details', 'Update department account details', 'View student's information', 'View faculty's information', 'Course information', 'Department details', and 'Department account details'. The 'Update department details' link is highlighted with a blue border.

These are the quick links which Admin can access to update the course related details and information.

Quick links

- Update your info
- Add courses
- Update department details
- [Update department account details](#)
- View student's information
- View faculty's information
- Course information
- Department details
- Department account details

These are the quick links through which an admin can navigate after logging in.

University Department Information System Home About

Account Logout



admin

admin@gmail.com

Account Info

Username

admin

Email

admin@gmail.com

Update Profile Picture

No file chosen

Quick links

- Update your info
- Add courses
- Update department details
- Update department account details
- View student's information
- View faculty's information
- Course information
- Department details
- Department account details

This is the page where the admin can update his/her personal information.

cse

super computers, desktops

Update the info

Name

Inventory

OngoingResearchProjects

FacultyPublication

Update**Quick links**[Update your info](#)[Add courses](#)[Update department details](#)[Update department account details](#)[View student's information](#)[View faculty's information](#)[Course information](#)[Department details](#)[Department account details](#)

This page appears when Admin clicks on the link **Update department details**. Admin can then update the information in respective blocks.

Department Account Details

Current Deposits: 567000

Current Expenditure: 435000

Update the info

Deposits

Expenditure

Update**Quick links**[Update your info](#)[Add courses](#)[Update department details](#)[Update department account details](#)[View student's information](#)[View faculty's information](#)[Course information](#)[Department details](#)[Department account details](#)

This page appears when Admin clicks on the link **Update department Account details**. The respective information then can be updated

pabitra mitra Computer Science and Engineering
pabitra@gmail.com

partha das Computer Science and Engineering
partha@gmail.com

Quick links

- [Update your info](#)
- [Add courses](#)
- [Update department details](#)
- [Update department account details](#)
- [View student's information](#)
- [View faculty's information](#)
- [Course information](#)
- [Department details](#)
- [Department account details](#)

This page appears when Admin clicks on the link **View faculty's information**. This page and **View student's information** page are read-only to the Admin.