

# Project Report on Student Connect Portal Website (CS 6314.501)

## Group Members:

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**Website designed -** <http://sconnect.xyz> OR <http://www.sconnect.kundu.me>

SConnect - Student Connect, is a new initiative by the 4 students of University of Texas at Dallas along with the advisor Dr. Timothy McMahan, to present to the students at any level with an educational social media which has lot of capabilities to meet the present and future requirements.

It is a socio-academic web portal for students and faculties from different universities to connect, interact and track their regular academic activities. It has aspects like profile, feed, text/photo/video upload and like/dislike/ comment on posts similar to a social media, as well as functionalities like add new class, create coursework, give attendance and one-on-one messaging like any university academic portal.

## Assumptions considered while designing the application-

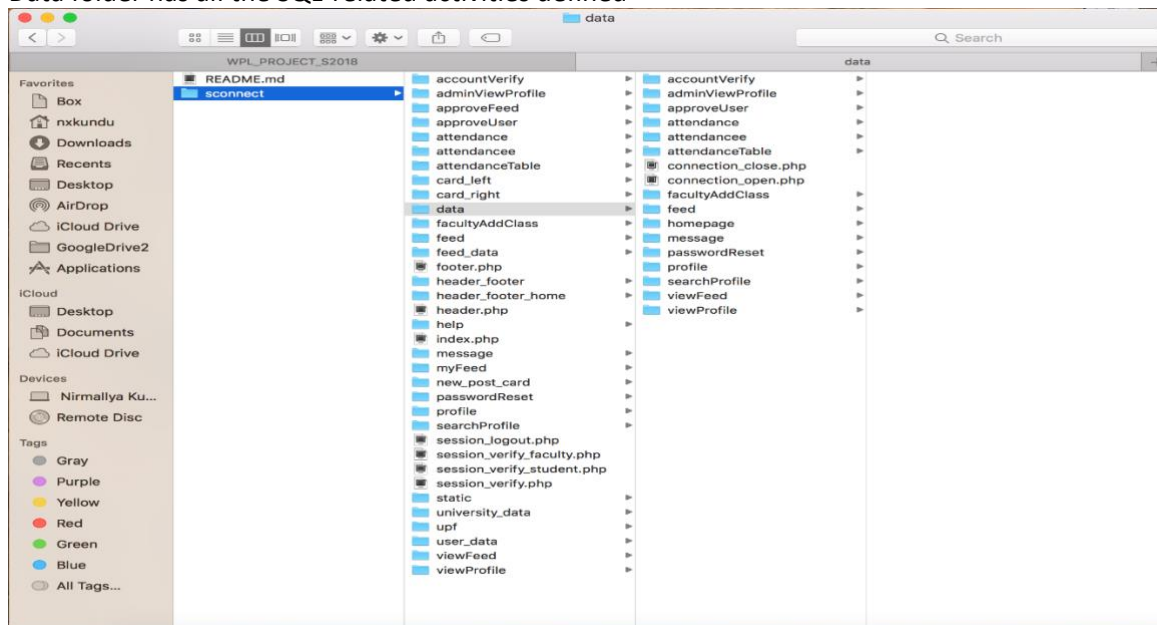
1. The user should be having his university email id to login. In case, he is logging in for first-time he should pass through the verify login page where an OTP will be received through his email
2. While sending one-on-one message to any person, the user should be aware of the other person's email address
3. It is assumed that the students have already enrolled for the course for the session, based on which the faculty provides the class roster (email-ids for eligible students to join) while creating the course in SConnect portal

## Project-level Implementation of core functionalities:

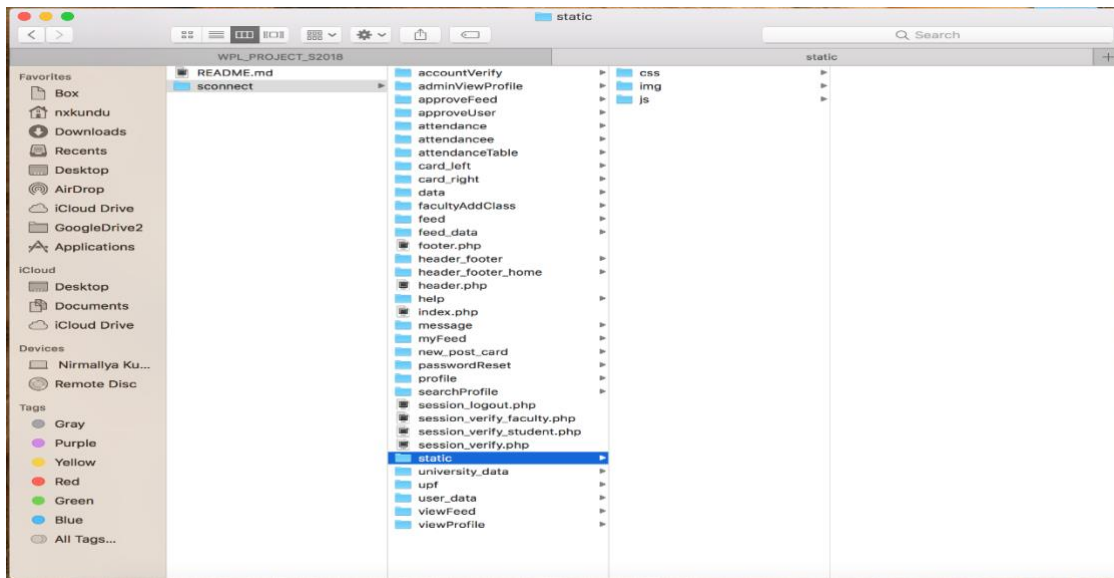
Code-level implementation of the website design and implementation was done using the LAMP stack wherein front end included HTML, PHP, CSS, JQuery and backend has PHP with MySQL database structure.

## File-structure followed while developing the application

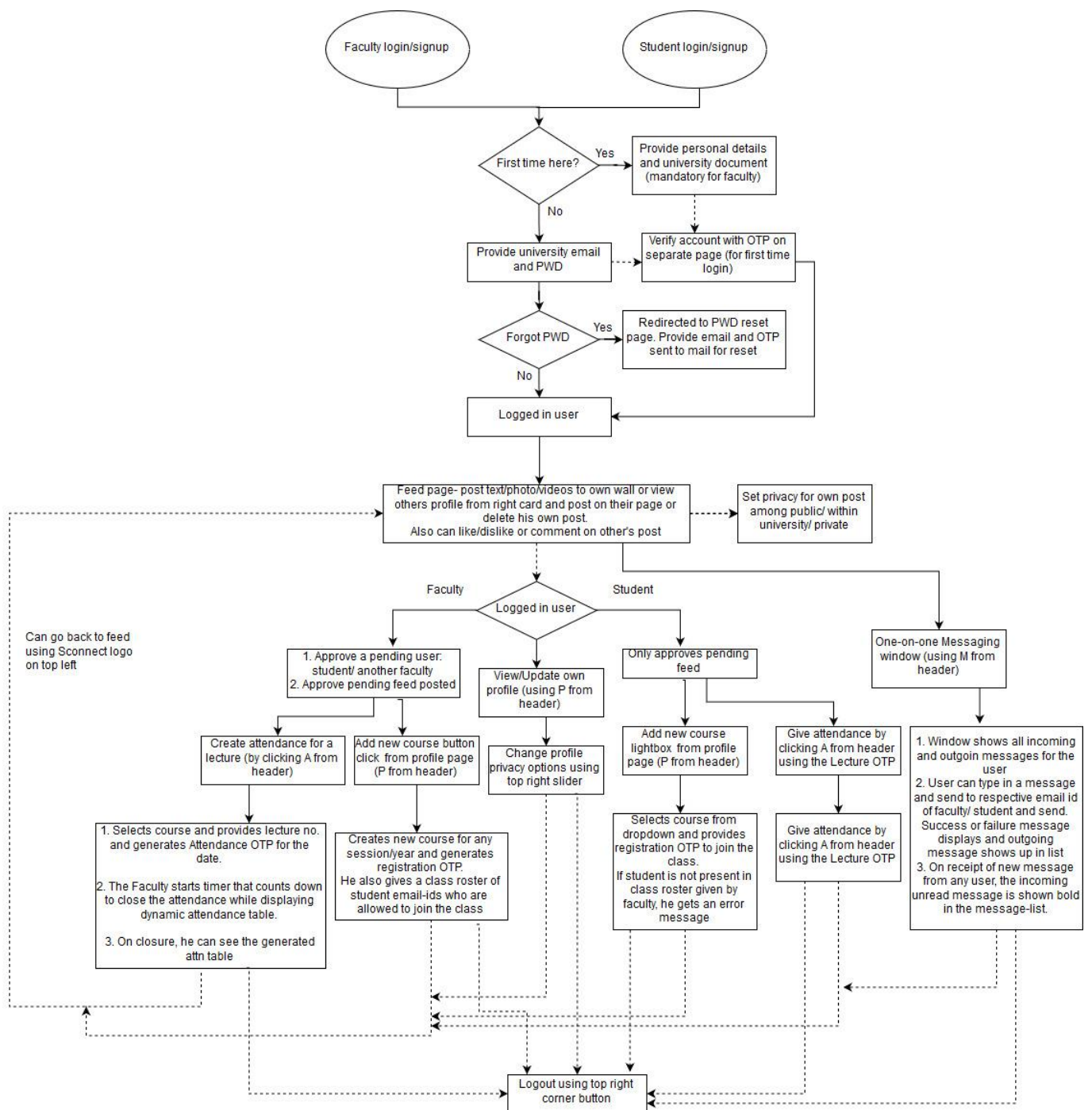
Data folder has all the SQL-related activities defined



Static folder has all cs and javascript/jQuery modules defined separately for any functionality



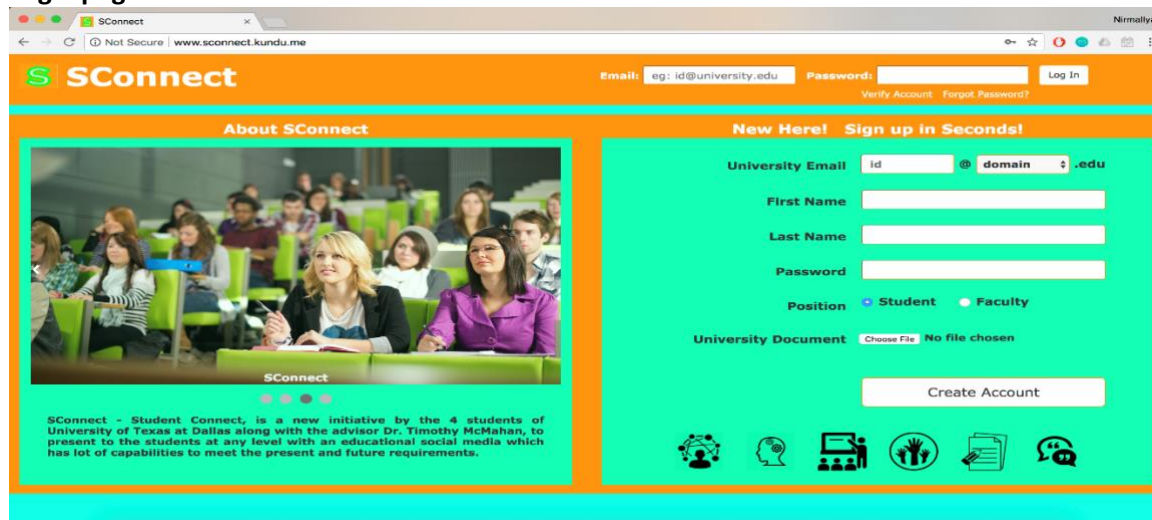
Please find below a brief overview on how the overall website functionality flows from the login page till help page:



## Application functionalities

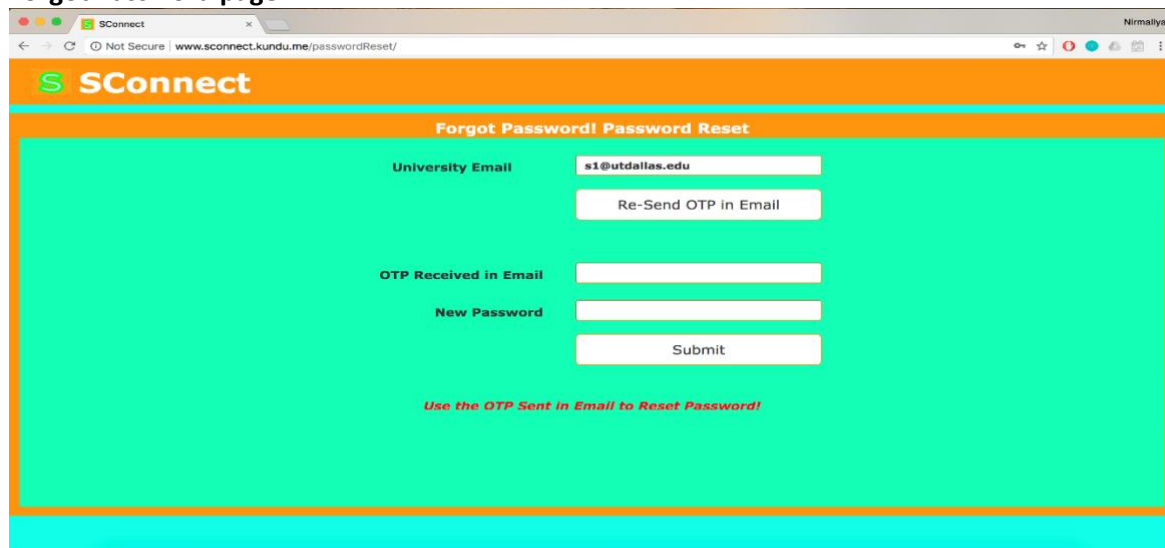
Below screenshots shows the main functionalities of the website designed and implemented:

### Login page:



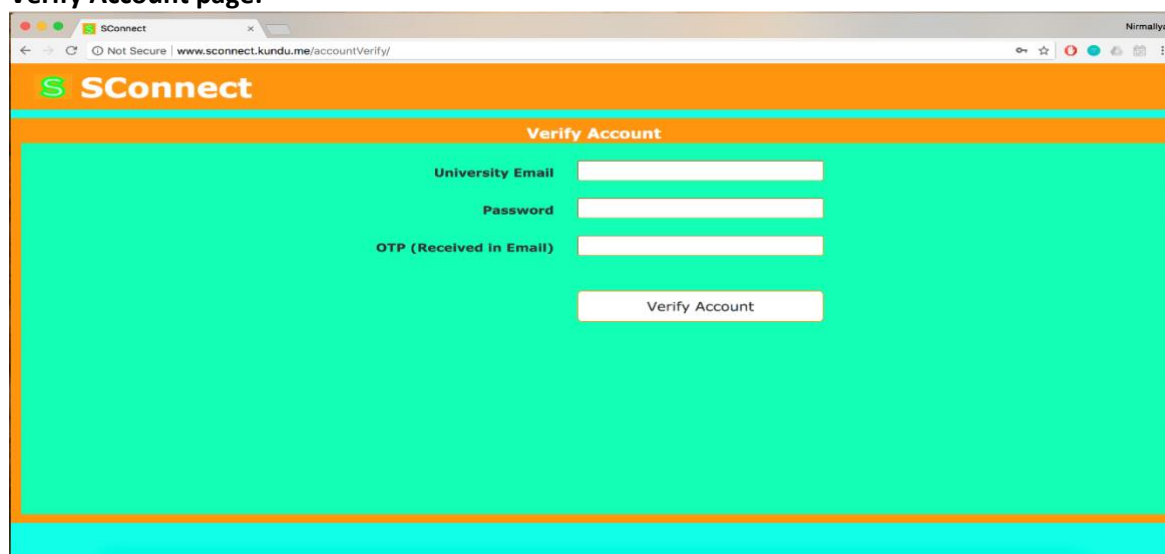
The screenshot shows the SConnect login page in a web browser. The page has a blue header with the SConnect logo and navigation links: "Email: eg: id@university.edu", "Password:", "Log In", "Verify Account", and "Forgot Password?". Below the header, there are two main sections. On the left, under "About SConnect", is a video player showing a group of students in a classroom. Below the video is a paragraph: "SConnect - Student Connect, is a new initiative by the 4 students of University of Texas at Dallas along with the advisor Dr. Timothy McMahan, to present to the students at any level with an educational social media which has lot of capabilities to meet the present and future requirements." On the right, under "New Here! Sign up in Seconds!", is a registration form with fields for "University Email" (with a dropdown for domain), "First Name", "Last Name", "Password", "Position" (with radio buttons for "Student" and "Faculty"), and "University Document" (with a "Choose File" button). A "Create Account" button is at the bottom. At the very bottom, there are six icons representing different features: a group of people, a lightbulb, a laptop, a hand holding a document, a document with a checkmark, and a speech bubble.

### Forgot Password page:



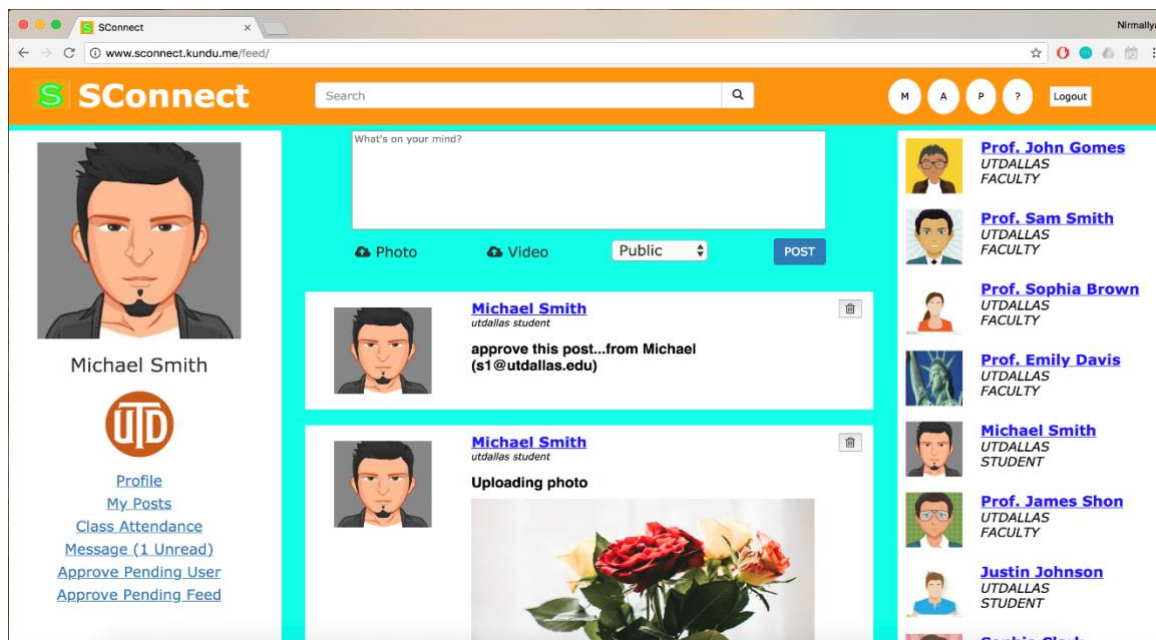
The screenshot shows the SConnect "Forgot Password! Password Reset" page. The page has a blue header with the SConnect logo. Below the header, there is a form with the following fields and buttons: "University Email" (with the value "s1@utdallas.edu"), "Re-Send OTP in Email" button, "OTP Received in Email" field, "New Password" field, and "Submit" button. At the bottom, there is a red text message: "Use the OTP Sent in Email to Reset Password!".

### Verify Account page:

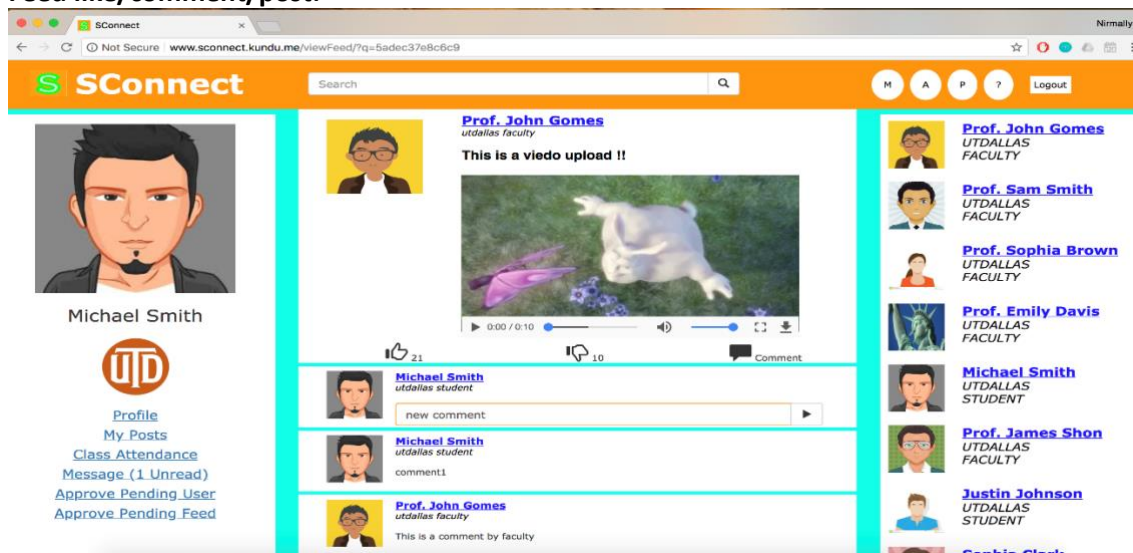


The screenshot shows the SConnect "Verify Account" page. The page has a blue header with the SConnect logo. Below the header, there is a form with the following fields and buttons: "University Email" field, "Password" field, "OTP (Received in Email)" field, and "Verify Account" button.

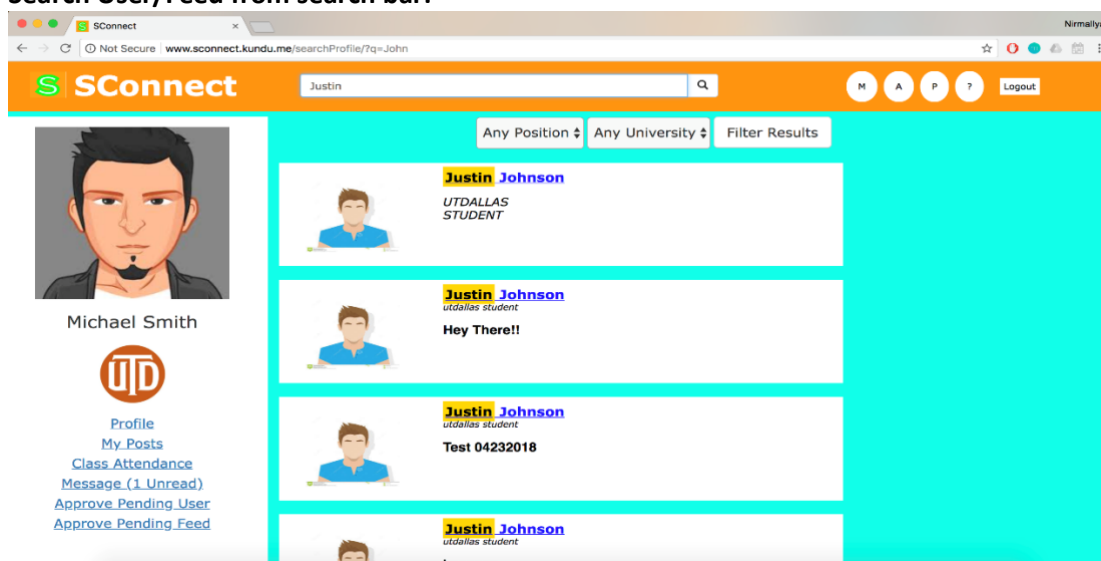
### My Feed page:



### Feed like/comment/post:

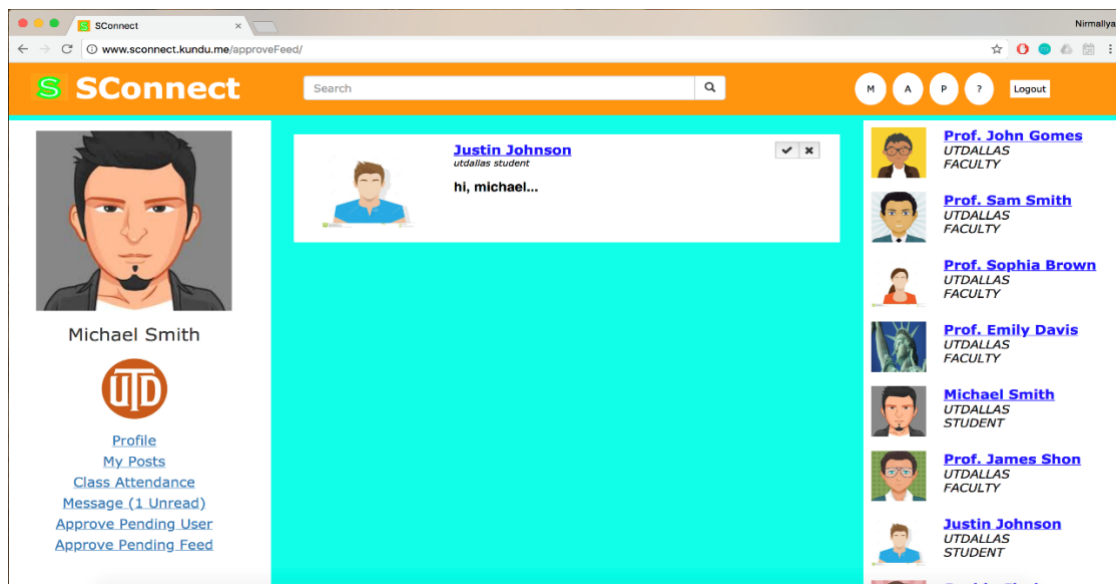


### Search User/Feed from search bar:

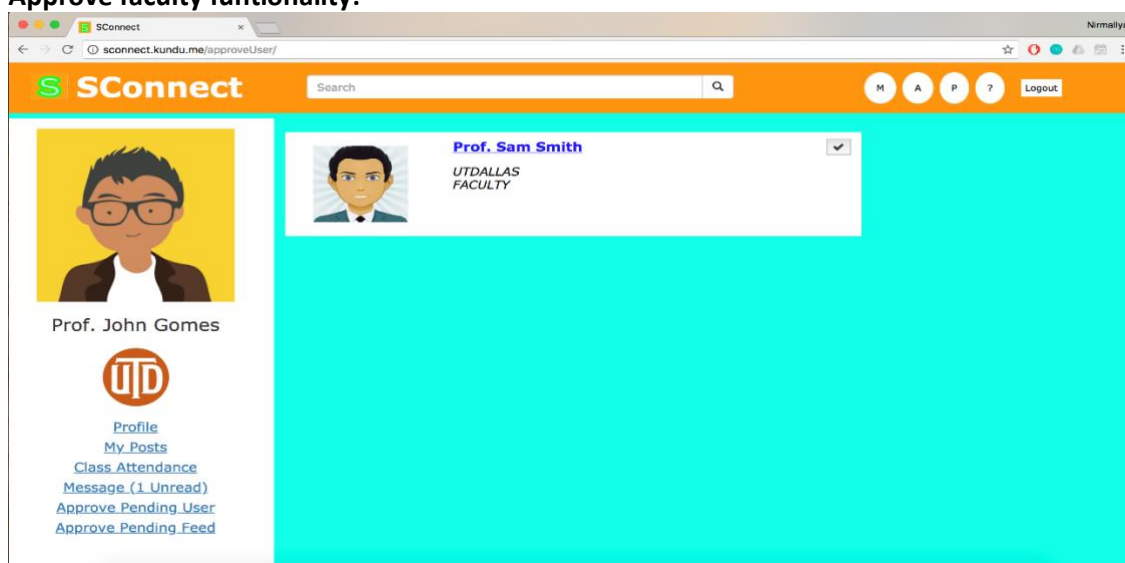


### Approve feed:

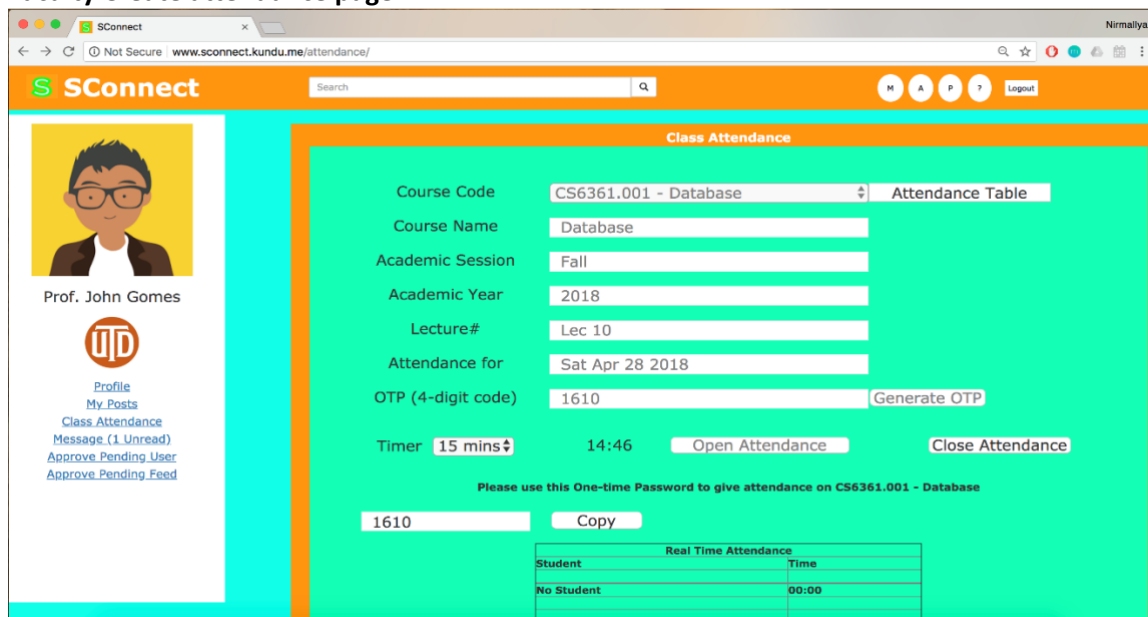




### Approve faculty functionality:



### Faculty Create attendance page:



### Attendance table created:

SConnect

www.sconnect.kundu.me/attendanceTable/?q=5ac6adffc92ff

Search

M A P ? Logout

### Attendance Table

Student Id	Percentage	04/06/2018	04/16/2018	04/17/2018	04/18/2018	04/22/2018	04/22/2018	04/23/2018	04/23/2018	
s1@utdallas.edu	88%	1200	1200	1200	1200	1200	2229	2232	0313	A
s2@utdallas.edu	66%	1201	1201	1201	1201	A	A	2232	0314	A
s3@utdallas.edu	55%	1202	1202	1202	1202	A	A	2232	A	A
s4@utdallas.edu	55%	1203	1203	1203	1203	A	A	2233	A	A
s5@utdallas.edu	44%	1204	1204	1204	1204	A	A	A	A	A
s6@utdallas.edu	44%	1200	1200	1200	1200	A	A	A	A	A
s7@utdallas.edu	44%	1201	1201	1201	1201	A	A	A	A	A
s8@utdallas.edu	44%	1202	1202	1202	1202	A	A	A	A	A
s9@utdallas.edu	44%	1203	1203	1203	1203	A	A	A	A	A
s10@utdallas.edu	44%	1204	1204	1204	1204	A	A	A	A	A
s11@utdallas.edu	44%	1200	1200	1200	1200	A	A	A	A	A
s12@utdallas.edu	44%	1201	1201	1201	1201	A	A	A	A	A
s13@utdallas.edu	55%	1202	1202	1202	1202	A	A	A	A	1010

## Profile page self update:

SConnect

localhost/University\_Social\_Networks/psync/sconnect/profile/

Search

M A P ? Logout

### Profile - Michael Smith

Degree: M.S.

Major: Computer Science

Email: s1@utdallas.edu

Courses enrolled:

Course	Code	Session
Database	CS6361.001	Fall
Computation of Algorithms	CS6360.002	Spring

Add new course

Date of birth: June 6 1999

Update

Michael Smith  
STUDENT and Ph.D Physics

Connect

Download video from this page

## Profile privacy settings:

SConnect

localhost/University\_Social\_Networks/psync/sconnect/profile/

Search

M A P ? Logout

### Profile - Configure Privacy Settings

Select who should be able to see this information.

Degree: ☐ Everyone ☒ Anyone from utdallas ☐ Just me

Major: ☒ Everyone ☐ Anyone from utdallas ☐ Just me

Courses enrolled in: ☒ Everyone ☐ Anyone from utdallas ☐ Just me

Date of Birth: ☒ Everyone ☐ Anyone from utdallas ☐ Just me

Save settings

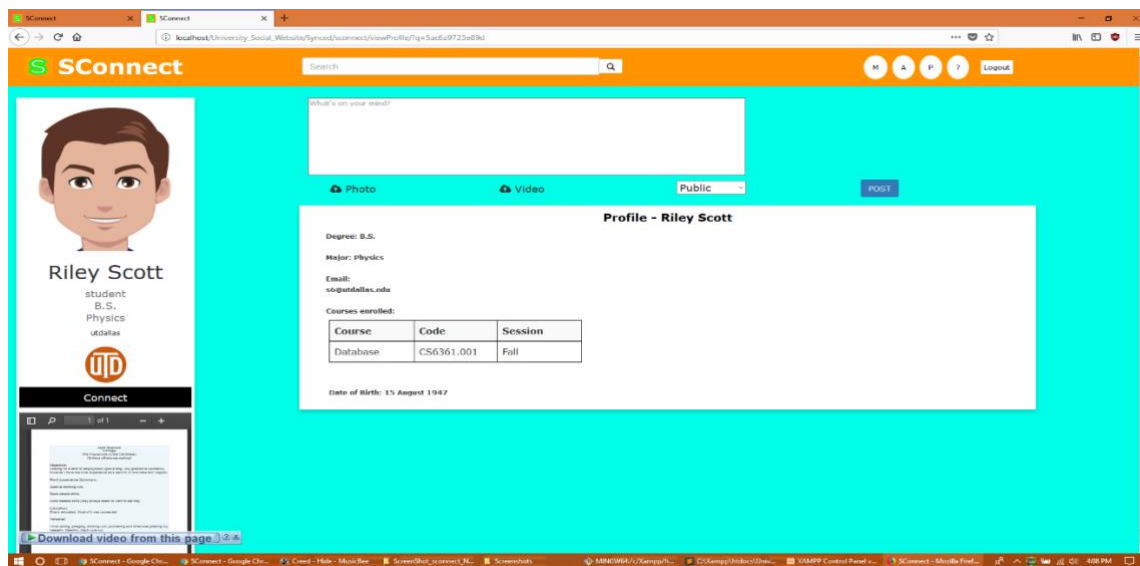
Reset password

Michael Smith  
STUDENT and Ph.D Physics

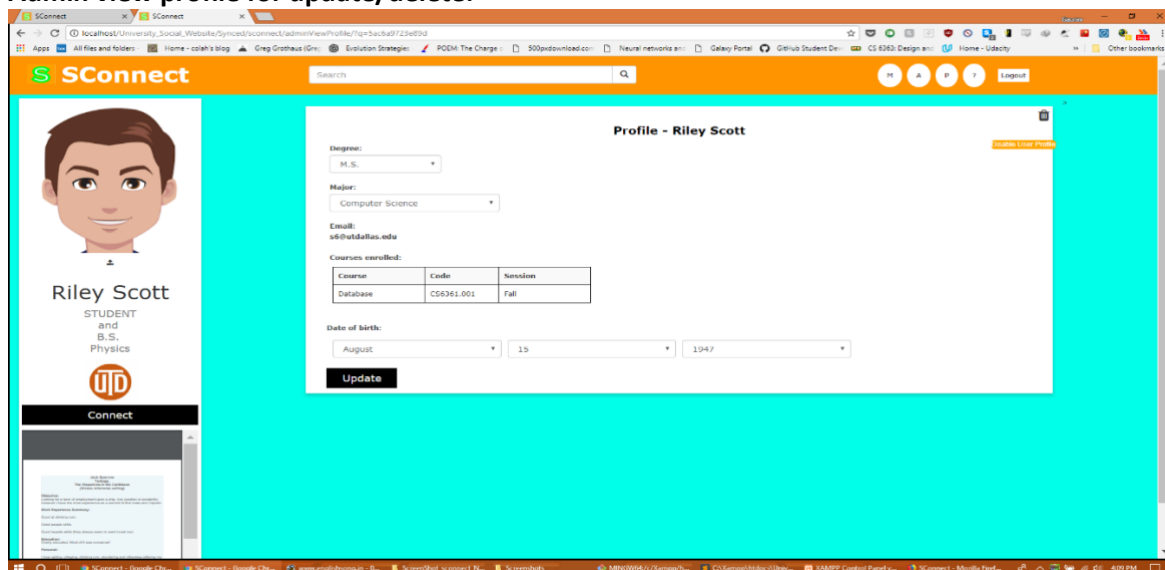
Connect

Download video from this page

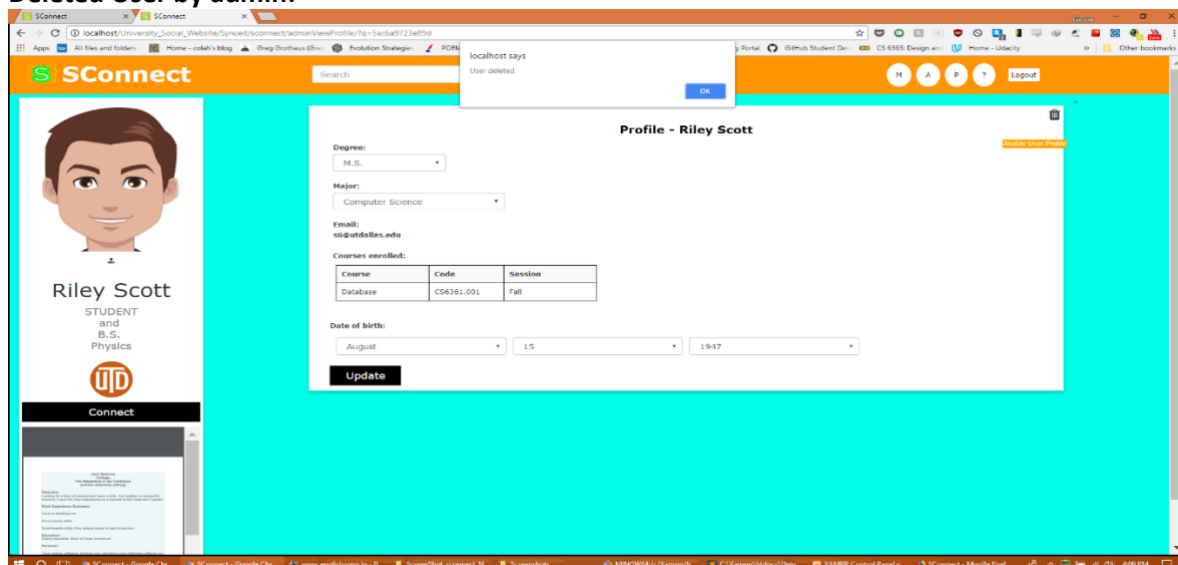
## View another user profile:



### Admin view profile for update/delete:



### Deleted User by admin:



### Faculty Add new Course functionality

M
A
P
?
Logout

### FACULTY - Add New Class

Course Code
Course Name
Academic Session
Academic Year
Class Roster (please print email-ids here)
OTP (4-digit code)

## Student Add new class based on OTP

M
A
P
?
Logout

### STUDENT - Add New Class

Select Session/Course-ID and enter correct OTP received in mail to verify course detail

## Student Attendance based on Faculty attendance OTP created

M
A
P
?
Logout

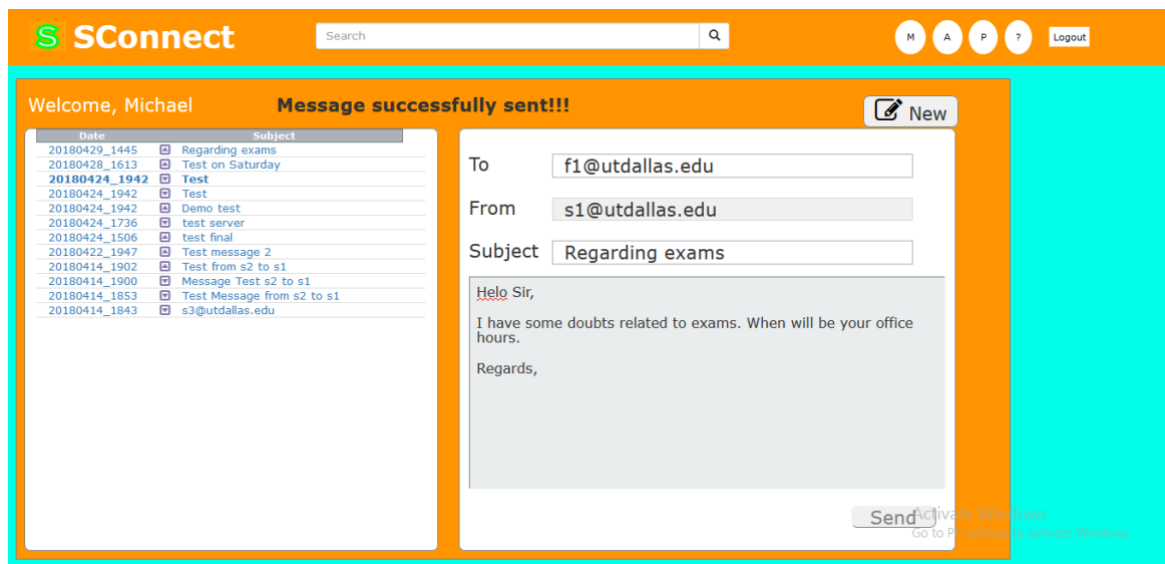
### Class Attendance

Course Code
Course Name
Academic Session
Academic Year
Attendance for

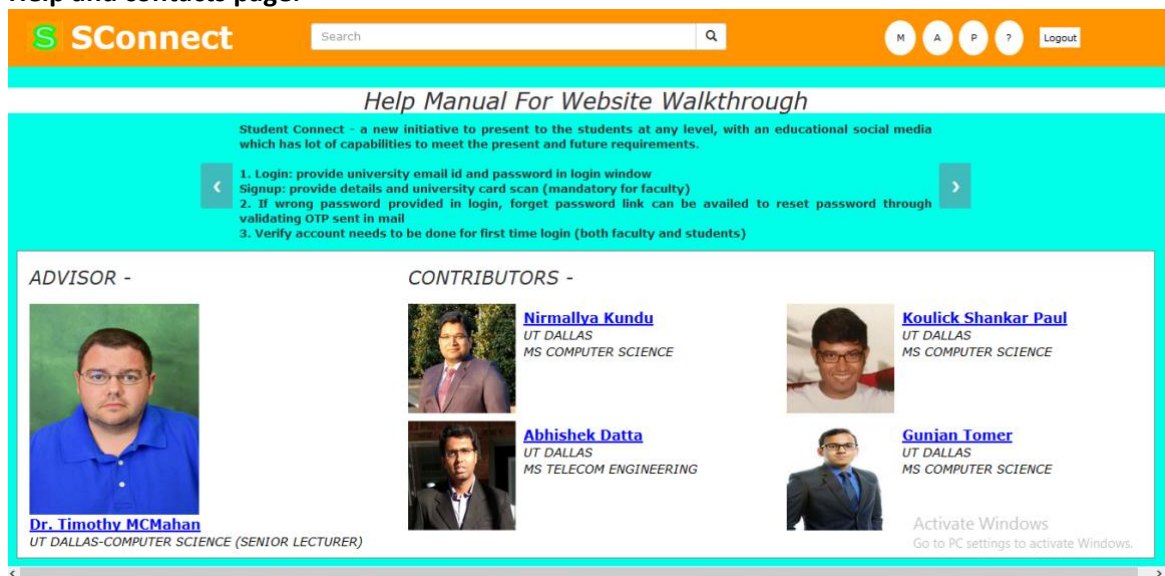
Provide proper OTP received in mail to post attendance for date: 29/4/2018

## Messaging UI functionality:





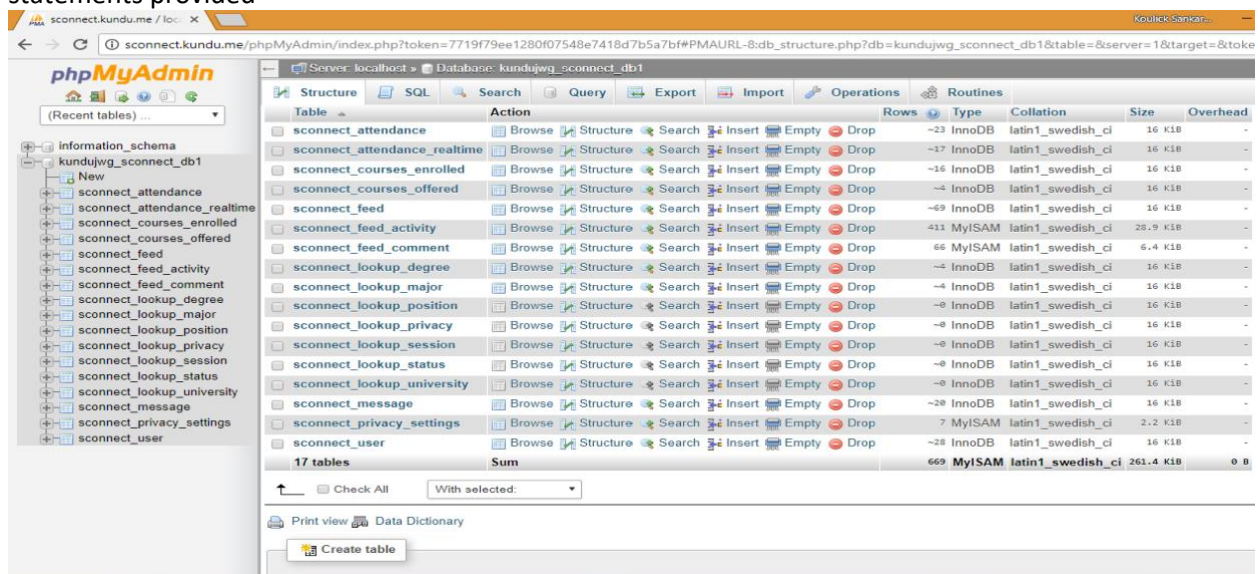
## Help and contacts page:



## Database and table structures used for the project design:

MySQL database has been used for designing the project. We have a several connected tables for separate functionalities and foreign keys associating one with another. All the tables are normalised to 3rd normal form.

Please find the below screenshot for the MySQL table view from PhpMyAdmin tool, followed by the table definition statements provided



connect.kundu.me / loc: X

connect.kundu.me/phpMyAdmin/index.php?db=kundujwg\_connect\_db1&target=db\_structure.php&token=1031b4c700d3eda771b809e1b10db77#PMAURL-2sql.php?db=kundujwg...

phpMyAdmin

Database: kundujwg\_connect\_db1 Table: connect\_refineden

Structure SQL Search Insert Export Import Operations

Options

	attendancehash	coursehash	date_dd	date_yyyy	time_24hr_hr_mm	lecture	timeout_mm	status	student_id_time_list	OTP	
Sa0cb4367091	Sa0cb4367091	Sa0cb4367091	04	06	2018	01_41	Lec1	15	CLOSE	s1@utdallas.edu_1200.s2@utdallas.edu_1201.s3@utdallas.edu_1202	2101
Sa0cb4367092	Sa0cb4367092	Sa0cb4367092	04	16	2018	01_41	Lec2	15	CLOSE	s1@utdallas.edu_1200.s2@utdallas.edu_1201.s3@utdallas.edu_1202	1111
Sa0cb4367093	Sa0cb4367093	Sa0cb4367093	04	17	2018	11_00	Lec3	15	CLOSE	s1@utdallas.edu_1200.s2@utdallas.edu_1201.s3@utdallas.edu_1202	2222
Sa0cb4367094	Sa0cb4367094	Sa0cb4367094	04	18	2018	11_00	Lec4	15	CLOSE	s1@utdallas.edu_1200.s2@utdallas.edu_1201.s3@utdallas.edu_1202	3333
Sa0cb4367095	Sa0cb4367095	Sa0cb4367095	04	21	2018	02_52	Lec5	15	CLOSE	s1@utdallas.edu_1200.s2@utdallas.edu_1201.s3@utdallas.edu_1202	7637
Sa0cb4367096	Sa0cb4367096	Sa0cb4367096	04	21	2018	16_57	Lec10	15	CLOSE	s1@utdallas.edu_1200.s2@utdallas.edu_1201.s3@utdallas.edu_1202	4548
Sa0cb4367097	Sa0cb4367097	Sa0cb4367097	04	21	2018	16_59	Lec6	15	CLOSE	s1@utdallas.edu_1200.s2@utdallas.edu_1201.s3@utdallas.edu_1202	3232
Sa0cb4367098	Sa0cb4367098	Sa0cb4367098	04	22	2018	22_16	Lec10	15	CLOSE	s1@utdallas.edu_1200.s2@utdallas.edu_1201.s3@utdallas.edu_1202	1111
Sa0cb4367099	Sa0cb4367099	Sa0cb4367099	04	22	2018	22_28	Lec11	15	CLOSE	s1@utdallas.edu_1200.s2@utdallas.edu_1201.s3@utdallas.edu_1202	7913
Sa0cb4367100	Sa0cb4367100	Sa0cb4367100	04	22	2018	22_31	Lec12	15	CLOSE	s1@utdallas.edu_1200.s2@utdallas.edu_1201.s3@utdallas.edu_1202	2881
Sa0cb4367101	Sa0cb4367101	Sa0cb4367101	04	23	2018	02_20	Lec5	15	OPEN	s1@utdallas.edu_1200.s2@utdallas.edu_1201.s3@utdallas.edu_1202	2236
Sa0cb4367102	Sa0cb4367102	Sa0cb4367102	04	23	2018	02_21	Lec99	15	OPEN	s1@utdallas.edu_1200.s2@utdallas.edu_1201.s3@utdallas.edu_1202	3382
Sa0cb4367103	Sa0cb4367103	Sa0cb4367103	04	23	2018	02_33	Lec32	15	OPEN	s1@utdallas.edu_1200.s2@utdallas.edu_1201.s3@utdallas.edu_1202	4252
Sa0cb4367104	Sa0cb4367104	Sa0cb4367104	04	23	2018	02_44	Lec22	15	OPEN	s1@utdallas.edu_1200.s2@utdallas.edu_1201.s3@utdallas.edu_1202	6574
Sa0cb4367105	Sa0cb4367105	Sa0cb4367105	04	23	2018	02_47	lec44	15	OPEN	s1@utdallas.edu_1200.s2@utdallas.edu_1201.s3@utdallas.edu_1202	7222
Sa0cb4367106	Sa0cb4367106	Sa0cb4367106	04	23	2018	02_60	aa	15	OPEN	s1@utdallas.edu_1200.s2@utdallas.edu_1201.s3@utdallas.edu_1202	0940
Sa0cb4367107	Sa0cb4367107	Sa0cb4367107	04	23	2018	02_65	aa	15	OPEN	s1@utdallas.edu_1200.s2@utdallas.edu_1201.s3@utdallas.edu_1202	2631
Sa0cb4367108	Sa0cb4367108	Sa0cb4367108	04	23	2018	02_67	s	15	OPEN	s1@utdallas.edu_1200.s2@utdallas.edu_1201.s3@utdallas.edu_1202	2616
Sa0cb4367109	Sa0cb4367109	Sa0cb4367109	04	23	2018	03_00	ss	15	OPEN	s1@utdallas.edu_1200.s2@utdallas.edu_1201.s3@utdallas.edu_1202	4970
Sa0cb4367110	Sa0cb4367110	Sa0cb4367110	04	23	2018	03_02	ss	15	OPEN	s1@utdallas.edu_1200.s2@utdallas.edu_1201.s3@utdallas.edu_1202	1458
Sa0cb4367111	Sa0cb4367111	Sa0cb4367111	04	23	2018						

We have plans to implement a dedicated chat-box system for our application rather than the current messaging window. Also, further improvements can be done in a way that the currently logged in users would only be shown on the right card of the feed window rather than all users in the system. Currently we have only the OTP generated which needs manual entry into personal email whereas, in future we can link emailing options with this application which would facilitate convenient access to our portal.