

## 1. Overall Description

In this project, we created a tool that stores projects and courses which are related to SLS (Service, Learn, Sustain).

The following sections contain a functional description of the system along with some mockup screens. Each section would explain a particular functionality and then present our UI about it. The sections have been grouped by customer's functionalities and managers' functionalities.

We implemented the project as a web application. The choice of language includes HTML, CSS, Javascript and PHP). You can access our website using the following url:

<http://54.90.100.7/GTSLS>

## 2. Log In

Georgia Tech SLS System

54.90.100.7/GTSLS/login.php

Georgia Tech SLS

Sign In

Username

Password

☐ Remember me

Log In

All users must login before using this application.  
There are two types of users: students and admin.

Student	Admin
• Username: demo123	• Username: admin
• Password: demo	• Password: 1234

[Forgot your password?](#) [Don't have an account? Get Started](#)

For more information, please click this [link](#)

Fig 1: Log in

Fig 1 shows the login screen. All users must login before using this application. There are two types of users: students and admin. To login, a valid username and password combination is required. If users provide invalid login credentials, an error message should be shown on the screen.

## 3. Student Functionalities

### 3.1. Main Page

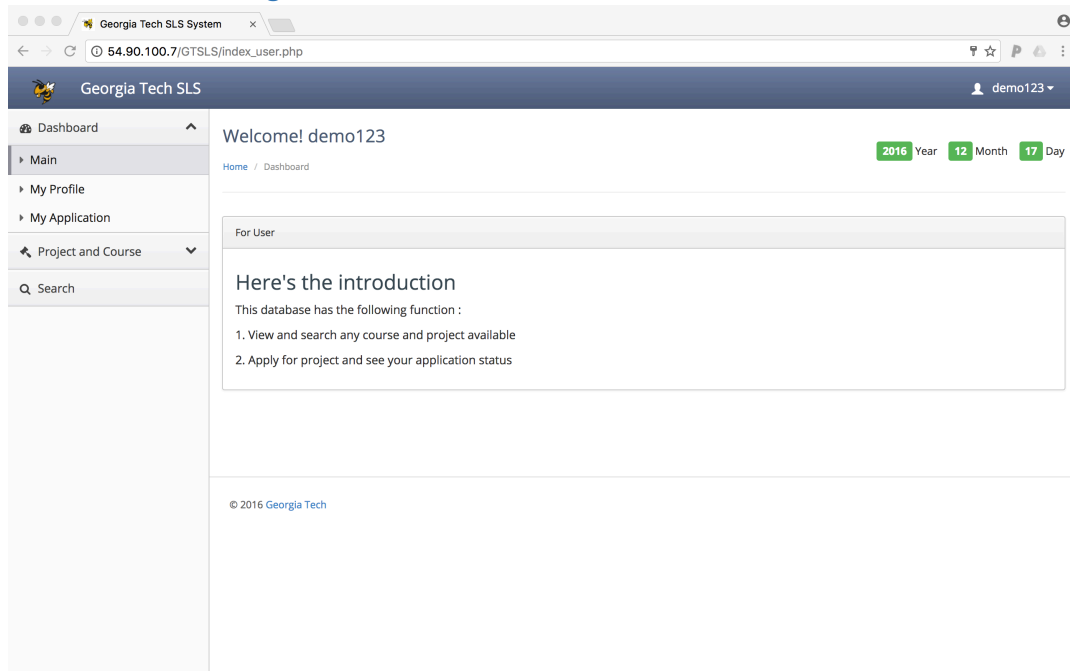


Figure 2: Main Page

After logged in as students, students would be taken to this Main Page where they can browse and search projects and courses.

### 3.2. Edit Profile

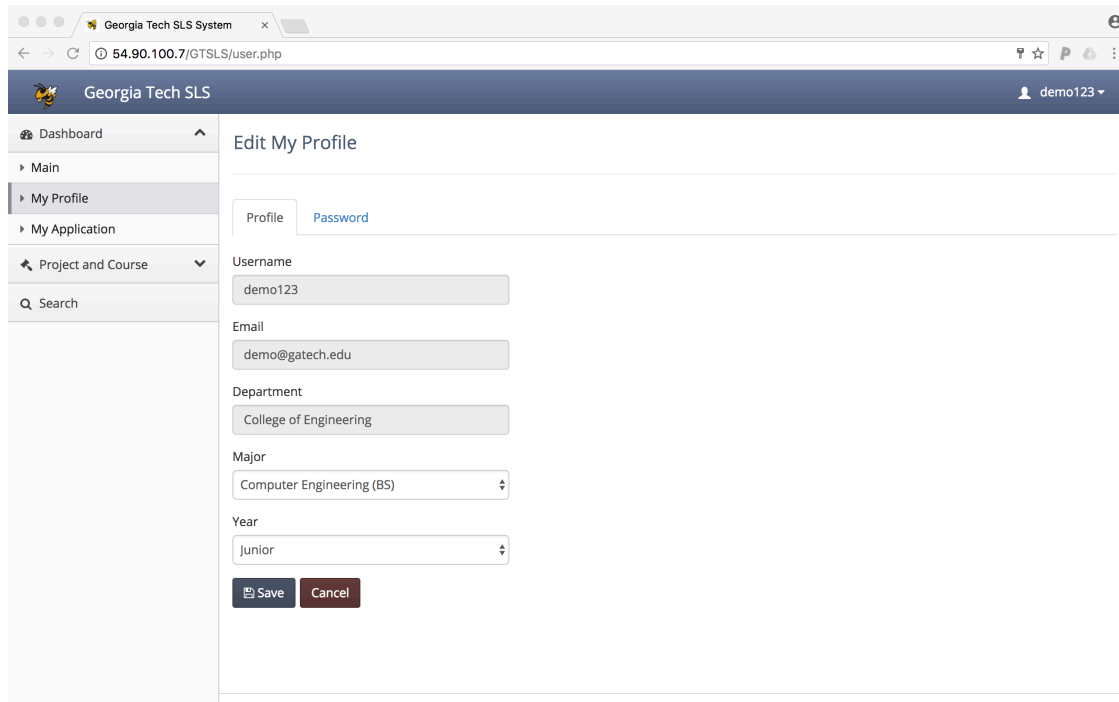


Figure 3: Edit Profile

Students can change their major and year on this page. The system will update department based on the major. New student needs to complete this step before applying to join a project team. We assume one student can only have one major, and one major belongs to only one department.

### 3.3. My Application

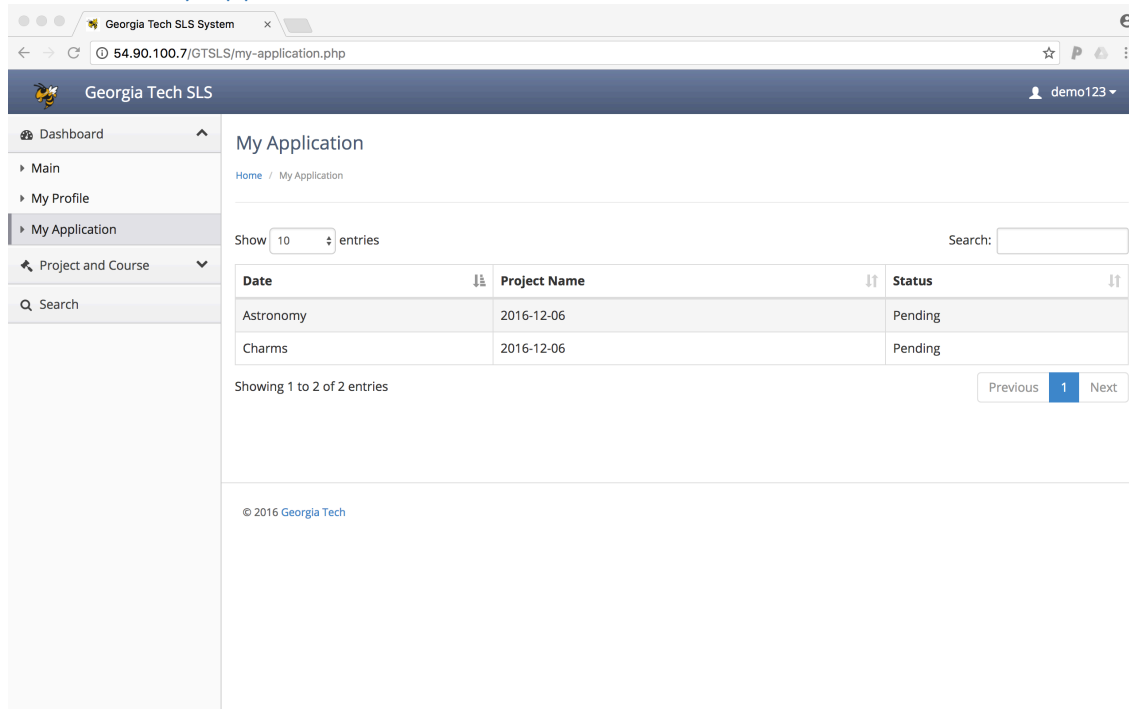


Figure 4: My Application

On this page, students can view their applications. More information about applications will be discussed later.

### 3.4. Search/Filter

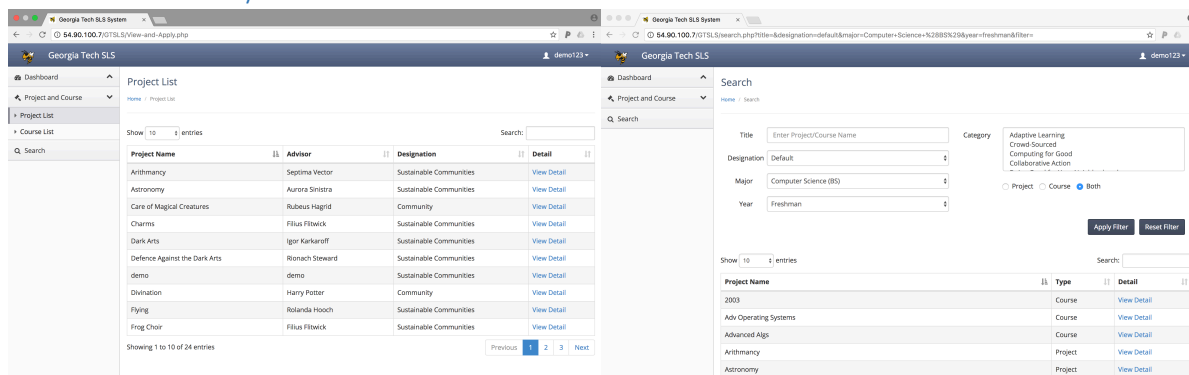


Figure 5: Search

Students can use the search bar and filter tool on Main Page to find a course/project. Title: search project name/ course name.

Category: choose one or multiple categories from a dropdown menu.

Designation: choose designation from dropdown.

Major: choose major from dropdown.

Year: choose year from dropdown.

Note: Students can leave any of these options blank.

Example:

Let's say a CS junior is interested in "computing for good" and "doing good for your neighborhood", and he wants to join a project team which designation is community. So he chooses CS, junior, community, computing for good and doing good for your neighborhood, clicks project radio button and applies filter.

### 3.5. View and Apply Project

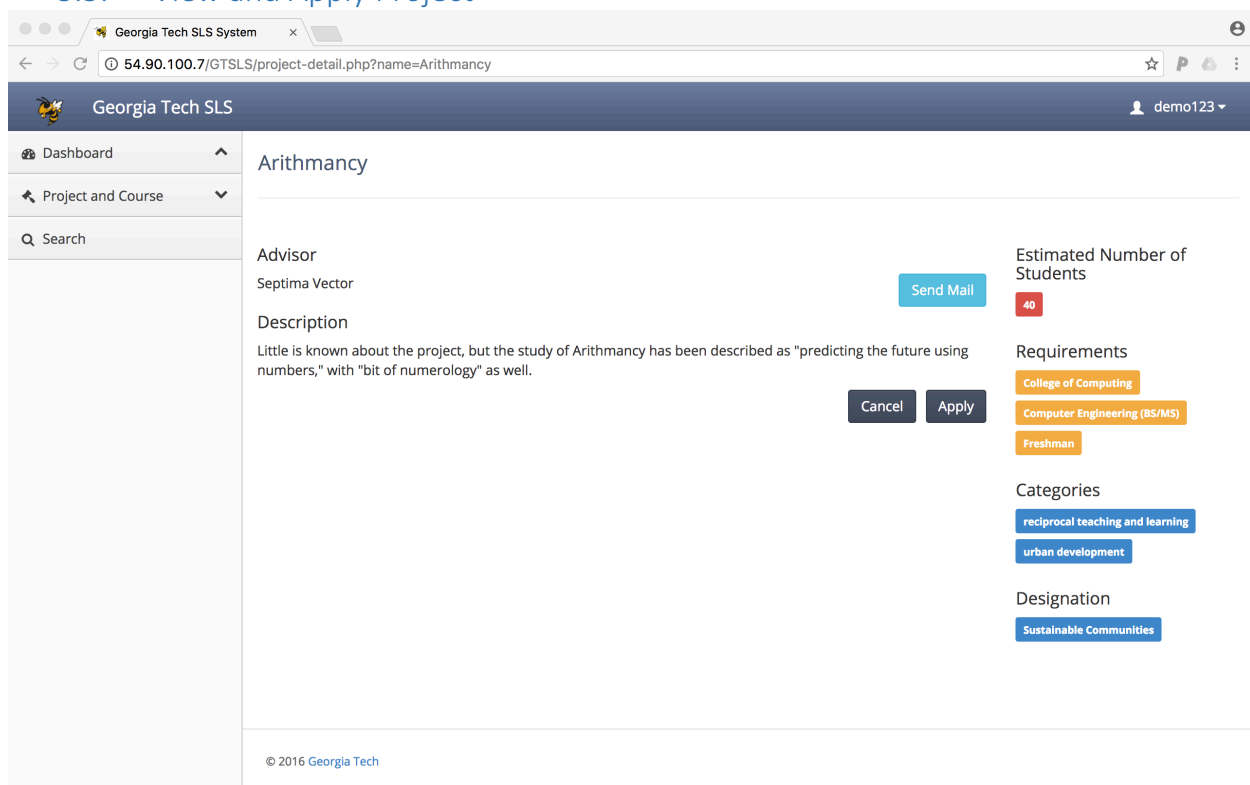


Figure 6: View and Apply Project

Students can click on a project on the Main Page to view its details. A project has its name, advisor information, description, designation, category, requirements and estimated number of students.

Note: Students cannot reapply if they got rejected.

Data:

Name: project name

Advisor information: name and email address

Description: A short paragraph that describes this project

Category: One or more categories chosen from: "computing for good", "doing good for your neighborhood", "reciprocal teaching and learning", "urban development", "adaptive learning",

“technology for social good”, “sustainable communities”, “crowd-sourced” and “collaborative action”

Designation: “Sustainable Communities” or “Community”

Requirements: major restriction, year restriction, department restriction

Note: You can assume requirements will always look like “xxx students only.” For instance: major restriction could be: CS students only; year restriction: Junior only; department restriction is “COC students only”.

If students are interested in this project, they can apply to join the project team by clicking on ‘Apply’ button. If students’ major/year/department cannot meet the requirements, an error message should be displayed.

An admin will review the application and make decisions.

### 3.6. View and Course

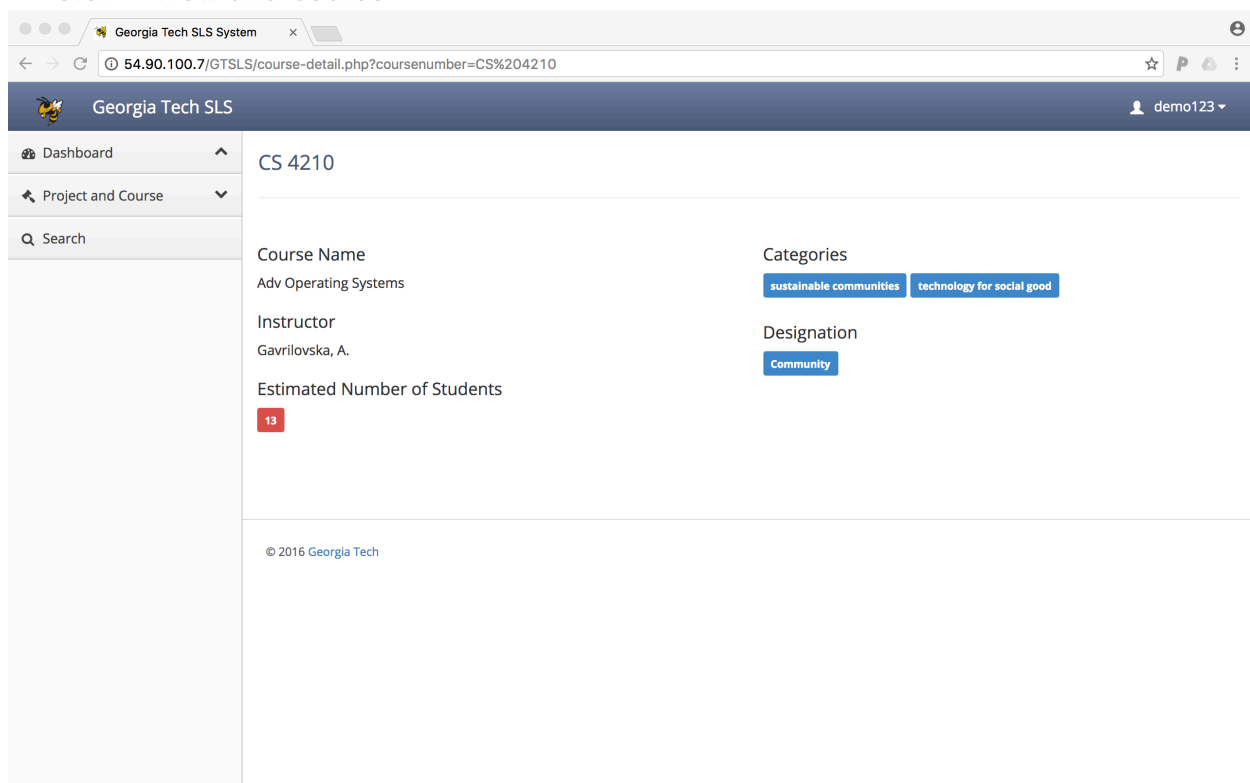


Figure 7: View Course

Similar to view project, students can also click on a course on Main Page to view its details. However, they cannot apply to take the course.

Everything is the same as project, except:

Course has a unique course number (For instance CS4400)

Course has instructors rather than advisors.

Course does not have description nor requirement.

## 4. Admin Functionalities

### 4.1. Main Page

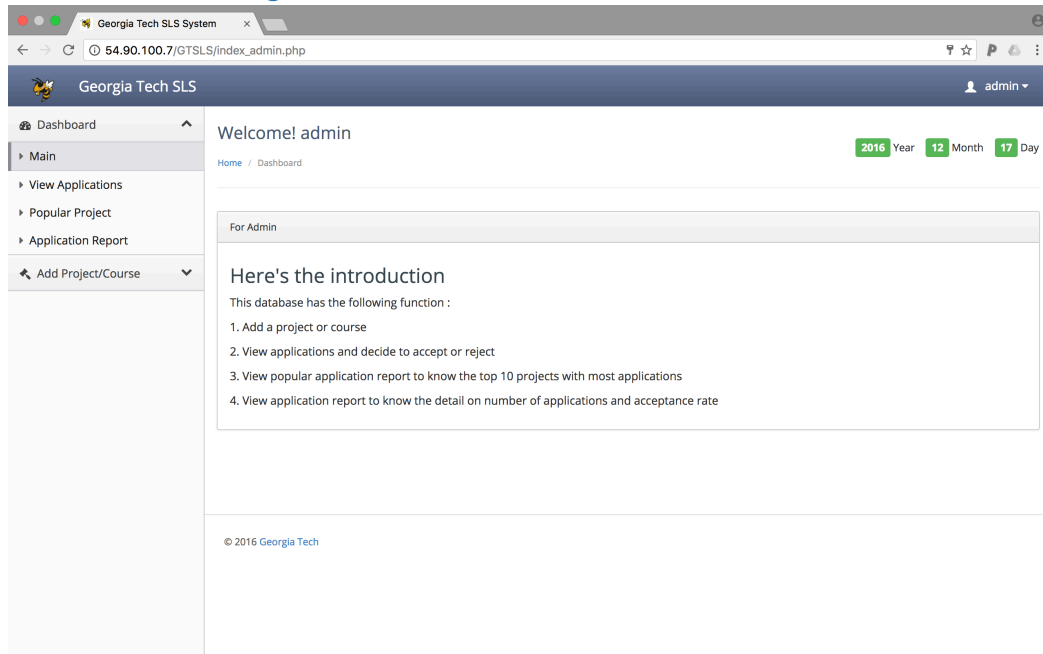


Figure 8: Main Page (admin view)

If users log in as admin, they will be taken to this window where they can choose to view applications, view popular project report or view application report.

### 4.2. View Applications

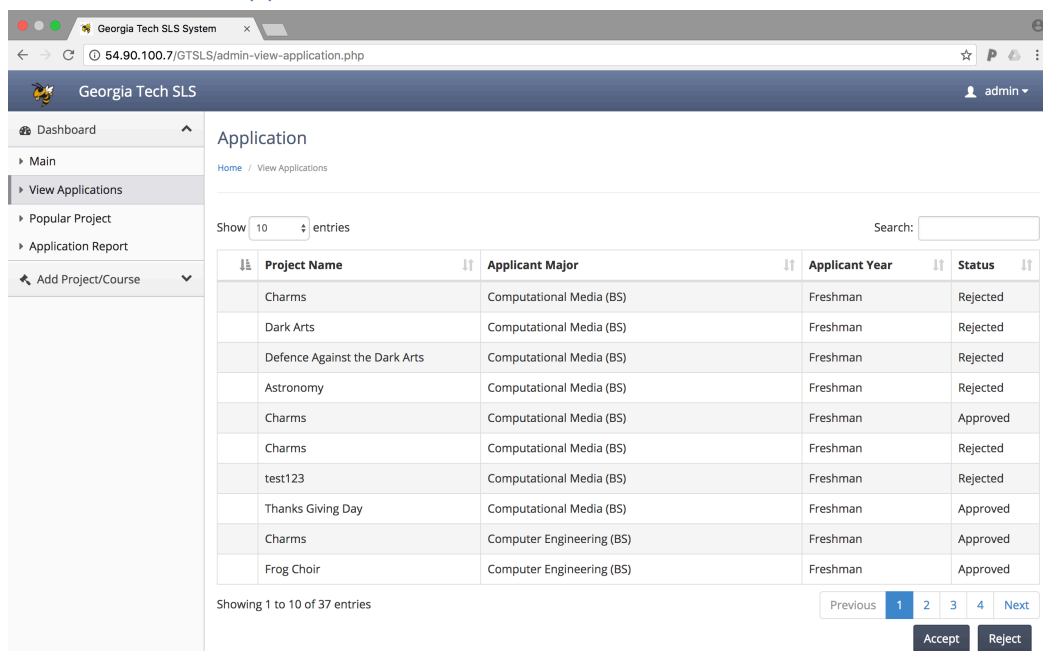


Figure 9: View Applications

Admin can view all applications on this page. For each application, it should have project name, applicant's major, applicant's year and application status.

Status: pending, accepted, rejected

If status is pending, that means admin has not made a decision yet. To accept or reject an application, admin could click on the radio button besides the application, and then choose "accept" or "reject".

### 4.3. View Popular Project Report

Georgia Tech SLS System

54.90.100.7/GTSLS/admin-popular-project.php

Georgia Tech SLS

admin

Dashboard

Main

View Applications

Popular Project

Application Report

Add Project/Course

Popular Project

Home / Popular Project

Show 10 entries

Search:

Project Name	# of Applicants
Arithmancy	2
Charms	5
Dark Arts	2
Defence Against the Dark Arts	2
Flying	2
Frog Choir	2
Herbology	5
History of Magic	4
test123	2
Thanks Giving Day	4

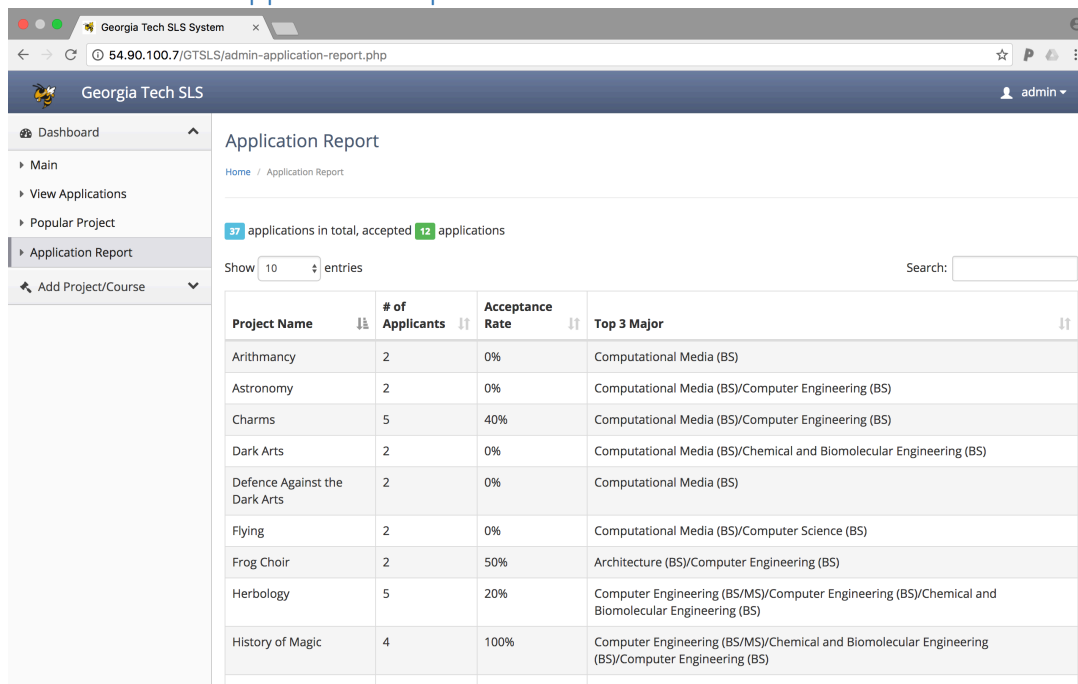
Showing 1 to 10 of 10 entries

Previous 1 Next

Figure 10: View Popular Project Report

This report can show the top 10 projects with most applications.

## 4.4. View Application Report

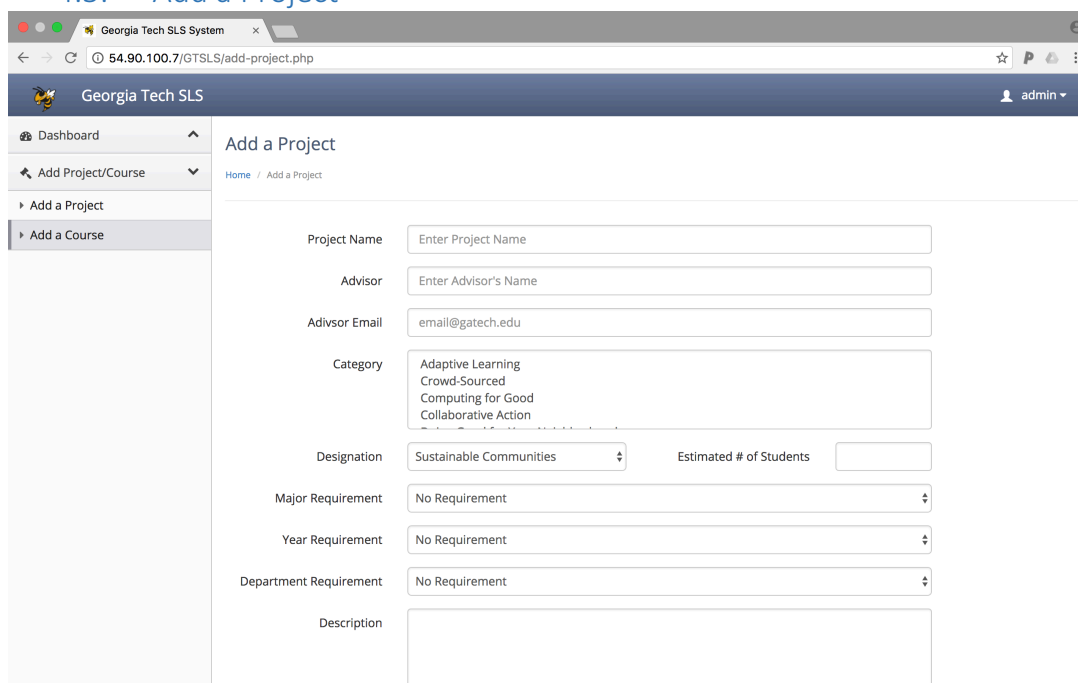


Project Name	# of Applicants	Acceptance Rate	Top 3 Major
Arithmancy	2	0%	Computational Media (BS)
Astronomy	2	0%	Computational Media (BS)/Computer Engineering (BS)
Charms	5	40%	Computational Media (BS)/Computer Engineering (BS)
Dark Arts	2	0%	Computational Media (BS)/Chemical and Biomolecular Engineering (BS)
Defence Against the Dark Arts	2	0%	Computational Media (BS)
Flying	2	0%	Computational Media (BS)/Computer Science (BS)
Frog Choir	2	50%	Architecture (BS)/Computer Engineering (BS)
Herbology	5	20%	Computer Engineering (BS/MS)/Computer Engineering (BS)/Chemical and Biomolecular Engineering (BS)
History of Magic	4	100%	Computer Engineering (BS/MS)/Chemical and Biomolecular Engineering (BS)/Computer Engineering (BS)

Figure 11: View Application Report

This report can show projects sorted by acceptance rate. It also shows number of applications and the top 3 majors of applicants. On the very top of the report, it has the total number of applications and how many of them have been accepted.

## 4.5. Add a Project



Project Name:

Advisor:

Advisor Email:

Category:

Designation:  Estimated # of Students:

Major Requirement:

Year Requirement:

Department Requirement:

Description:

Figure 12: Add a Project



Admin can add projects to the database. All fields (except requirement) need to be filled.

#### 4.6. Add a Course

The screenshot shows a web browser window with the title 'Georgia Tech SLS System'. The address bar shows the URL '54.90.100.7/GTSLS/add-course.php'. The page header includes the Georgia Tech SLS logo and the text 'Georgia Tech SLS', along with a user profile icon labeled 'admin'. A left sidebar contains a navigation menu with the following items: 'Dashboard', 'Add Project/Course' (expanded), 'Add a Project', and 'Add a Course' (selected). The main content area is titled 'Add a Course' and contains the following form fields: 'Course Number' (text input), 'Course Name' (text input), 'Instructor' (text input), 'Category' (dropdown menu with options: Adaptive Learning, Crowd-Sourced, Computing for Good, Collaborative Action), 'Designation' (dropdown menu with 'Sustainable Communities' selected), and 'Estimated # of Students' (text input). At the bottom of the form are 'Back' and 'Submit' buttons. A footer at the bottom left of the page reads '© 2016 Georgia Tech'.

Figure 13: Add a Course

Admin can add courses to the database. All fields need to be filled.