

# User Facing Documentation for VisionAid STATS

Welcome to VisionAid STATS! This website is designed to provide VisionAid Academy with the ability to track courses and student enrollment, factoring in proper permissioning.

## Home Page

### Demo

This links to a Demo of the product. (As completed for GT CS6150 Computing for Good)

### About

A link to the VisionAid Academy page, for more information.

### Overall Stats

Useful numerical metrics including total number of students in the system, total number of courses, and total number of batches.

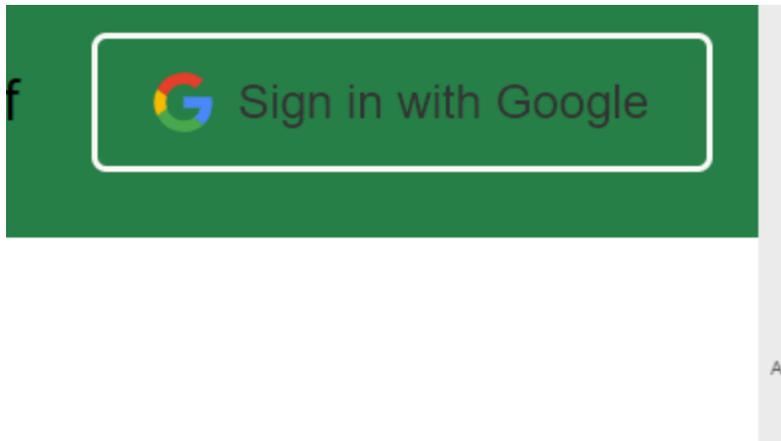


## About Us Page

A summary of the student team which developed and implemented the application. This page was completed for the course.

## Sign In

Users will need to be added by another user with the 'MANAGEMENT' role. Once an account based on a Gmail is created, users will be able to log on and access based on permission. Note, a Gmail account must be used to be compliant to Google Auth0. The email that is currently being used to sign in will be displayed above the button, along with the associated role.



## Logout

Once logged in, the user will be able to log out, and sign in with another account.



## Students Page

### Students List

This is a list of all current registered students.

- **ID:** The ID automatically assigned to each student. This will be unique for each student *account*. (In the event the student creates another account, they will receive a new ID).
- **EMAIL:** The email associated with the student from sign-up.
- **NAME:** The full name, as given by the student registration.
- **PHONE NUMBER:** The phone number associated with the student's account.
- **GENDER:** M, F, or Other
- **BIRTHDATE:** MM/DD/YYYY.
- **EDUCATION HISTORY:** educational history and qualifications of student
- **COURSES OF INTEREST:** list of courses student is interested in
- **CITY and STATE:** The location of the student.
- **LEARNING OBJECTIVES:** This is a space to record what the student hopes to be able to accomplish in enrolling.
- **VISION IMPAIRMENT HISTORY:** This is a place to record a brief history of the student's vision impairments.

- **USABLE VISION:** This is a place to record the student's current usable vision.
- **IS QUALIFIED:** Whether or not the student is qualified to take VA courses
- **VISION LOSS:** A percentage of the student's vision loss.
- **REFERENCE:** This is a place to record how the student heard about the program.
- **REGISTRATION DATE:** When student was registered in system

All Students  
Students List

Search in Students Lis

ID ^	EMAIL	NAME	PHONE NUMBER	GENDER	BIRTHDATE	EDUCATION HISTORY	COURSES OF INTEREST	LOCATION	LEARNING OBJECTIVE	VISION IMPAIRMENT HISTORY	USABLE VISION	IS QUALIFIED	REFERENCE	USABLE VISION	REGISTRATION DATE	ACTIONS
76	theboywholived@gmail.com	Harry Potter	1110	Male	11			Godric's Hollow, England	Become a wizard.	I've had really bad myopia my whole life.	Only up close, and not very clear	0	An owl delivered a letter to me.	Only up close, and not very clear		
96	john@gmail.com	Johnny like	7572389382	Male	29			Atlanta, GA	Learn to code	since five	so so	0	google	so so		
97	David@gmail.com	david johns	7572389383	Male	22			Atlanta, GA	program to learn	since four	somewhat	0	google	somewhat		
98	andrew@gmail.com	Andrew Bank	7572389385	Female	30			Atlanta, GA	programmer	since two	eh	0	google	eh		
99	chris@gmail.com	chris trish	3879873673	Male	22			Atlanta, GA	Learn to program	my impairment consist of	answer here	0	google	answer here		
100	santoshvem pala@gmail.com	S V	8579285466	M	51			Atlanta	learning	none	95%	0	friends	95%		

**Filter**

By clicking on the name of the column, each column can be filtered. Click once for ascending, again for descending order.

**Search**

The search bar, located to the right above the table allows the user to search through any field.

**Delete**

The Trash icon allows for the deletion of any entry.

**Edit**

The Pencil icon allows for the in-line editing of any entry.

**Enrollment History**

This links to a list of batches in which the student was historically and is currently enrolled.

**Student Registration**

A form to create an entry for a student. All permission levels, and outsiders (non-registered users) have access to this page. Note that the fields described above are all required. **Submit** to create the entry, **reset** to clear all fields.

**Student Application Form** →  
Email:\*   
Name:\*   
Phone Number:\*   
Gender:\*   
Birth Date:\* mm/dd/yyyy   
Education qualifications:\*   
What courses are you interested in? Go to the Courses page for a list of available courses.\*   
What city and state are you from?\*   
What are your long term learning objectives?\*   
Provide a brief history of your vision impairment\*   
What is your usable vision in terms of acuity and field?\*   
What is the percentage of vision loss?\*   
How did you hear about the program?\*

## Batches Page

### Batch List

This is a list of all batches in the system.

- ID: The ID automatically assigned to each Batch. This will be unique for each batch.
- NAME: The full name of the Course.
- BATCH: Serialized name of the Batch.
- START: The start date of the batch.
- END: The end date of the batch.
- DAYS: The days the batch has class.
- TIME: The time (can be time window) that the class will run.
- INSTRUCTOR: The instructor of the batch.
- PM: PM for the batch
- TEACHIN ASSISTANT: TA of the batch
- STATUS: The status of the batch : ONGOING, COMPLETED, UNSTARTED.
- MODE OF TRAINING: Indicates if the batch is one of: IN-PERSON, SELF-PACED, VIRTUAL
- COST: The cost of the batch.
- CURRENCY: Which currency the cost is in. One of INR (Indian Rupees) or USD (US Dollar)

[+ New Batch Form](#)

ID ^	NAME	BATCH	START	END	DAYS	TIMES	INSTRUCTOR	PM	TEACHING ASSISTANT	STATUS	MODE OF TRAINING	COST	CURRENCY	ACTIONS
114	www	python	2023-04-18	2023-04-21	WTh	05:32 - 07:31	www			UNSTARTED	VIRTUAL	1111	INR	 Roster
115	1	python	0001-01-01	0001-01-01	WThF	01:01 - 01:01	1			UNSTARTED	VIRTUAL	1	INR	 Roster
116	2	python	2222-02-02	2222-02-02	MT	02:02 - 02:02	2			UNSTARTED	IN-PERSON	2	INR	 Roster
117	5	python	0005-05-05	0005-05-05	MTF	05:05 - 05:05	5			UNSTARTED	IN-PERSON	5	INR	 Roster
118	golang	asd	0012-12-12	0012-12-12	MT	12:12 - 12:12	1			UNSTARTED	VIRTUAL	2	INR	 Roster

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## Roster

This will link to the roster for the associated batch.

## Show Only Completed Batches

Shows only the patches that have the status 'COMPLETE'.

## New Batch Form

The form to create a new batch, which requires the following information from the above list: Course Name, Batch, Start, End, Days, Start Time, End Time, Instructors, Cost, Currency, Mode. Note that the fields described are all required. **Submit** to create the entry, **reset** to clear all fields.

## Create batch → ^

Course Name:\*

Batch:\*

Start:\*

End:\*

Days:\*  
M T W Th F Sa Su

Start Time:\*

End Time:\*

Instructor:\*

PM:\*

Teaching Assistant:\*

Cost:\*

Currency:\* INR USD

Mode of Training:\*

## Courses Page

### Course List

This is a list of all the courses in the system:

- ID: The ID automatically assigned to each Batch. This will be unique for each batch.
- NAME: The name of the course.
- DESCRIPTION: A brief description of the course.
- DURATION: A numeric indication of how many of the time lengths in DURATION\_TYPE the course lasts.
- DURATION\_TYPE: Indicates whether the denomination of time is MONTHS or WEEKS.

## Courses List

Search in Courses List

ID ▲	NAME	DESCRIPTION	DURATION	DURATION_TYPE	ACTIONS
1	python	Learn basics of Python language	3 months	Months	 
2	C	Learn basics of C	6 months	Months	 
3	C++	Learn C++	6 months	Months	 
5	Rust		6 months	Months	 
...	...	...	...	...	 

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### New Course Form

The form to create a new course, which requires the information from the above list (not ID). Note that the fields described are all required. **Submit** to create the entry, **reset** to clear all fields.

## Course Management

### Create Course →

Name:\*

Description:

Duration:\*

Duration Type:\*  Weeks  Months

# Staff Page

## Staff List

This is a list of all the staff in the system: (Note that each account is based on an email, so a single individual could have multiple accounts tied to multiple emails.

- **ID:** The ID automatically assigned to each Batch. This will be unique for each batch.
- **EMAIL:** The email associated with the staff account. Must be a GMail to integrate with OAuth.
- **FIRST NAME:** The first name of the staff member.
- **LAST NAME:** The last name of the staff member (surname/ family name)
- **ROLE:** The role that the staff member has which allows different permission and access to different pages. Can be MANAGEMENT, PM, ADMINISTRATOR
- **ACTIVE:** Shows if the email account is active. (1 For active, 0 for inactive). Inactive accounts will not be able to access pages.

Staff List							Search in Staff List
ID ▲	EMAIL	FIRST NAME	LAST NAME	ROLE	ACTIVE	ACTIONS	
1	piyalibaner@gmail.com			MANAGEMENT	1	 	
10	santosh.vempala@gmail.com			MANAGEMENT	1	 	
2	idelkh8@gmail.com			MANAGEMENT	1	 	
27	dantec@gatech.edu	Dante	C	ADMINISTRATOR	1	 	
29	danielcrawford2016@gmail.com	D	C	MANAGEMENT	1	 	

## Filter

By clicking on the name of the column, each column can be filtered. Click once for ascending, again for descending order.

## Search

The search bar, located to the right above the table allows the user to search through any field.

## Delete

The Trash icon allows for the deletion of any entry.

## Edit

The Pencil icon allows for the in-line editing of any entry.

## New Staff Member Form

The form to create a new staff member, which requires the information from the above list (not ID or Active). The accounts default to active (ACTIVE will be 1.) Note that the fields described are all required. **Submit** to create the entry, **reset** to clear all fields.

# All VisionAid Staff

## Add New Staff Member →

VisionAid User ID: \*

Email: \*

First Name: \*

Last Name: \*

Role: \*

## Student Enrollment History

From the list of students, selecting **Enrollment History**, will take the user to the student's enrollment history. This will consist of a subset of the batches list, where the batches displayed will be the batches that the student is or was enrolled in. The fields are the same as they were on the batches page, and there is still an option to show completed batches. Filtering, searching, and sorting are still available, while editing and deleting are not.

## Roster

From the Batches page, clicking the "Roster" button will take the user to the Roster for that batch. This page shows the total number of students enrolled in the batch, an attendance table to track students' attendance throughout the batch session, and a grades table to track student grades:

# Course: PHP, Batch: HTR4532

Total students enrolled: 10

## Students

Add Student

Add Assignment

### Attendance

Search in Attendance

STUDENTS	2023-04-04	2023-04-11	2023-04-18	2023-04-25	2023-05-02	2023-05-09	2023-05-16	2023-05-23	2023-05-30	ACTIONS
Andrew Bank	Absent	Absent	Present	Absent	Present	Present	Present	Present	Present	
Harry Potter	Present									
Janet	Absent									
Johnny like	Absent									
S V	Absent									
User1	Absent									
Vaishali	Absent									
aaa	Absent									
chris triah	Present	Absent	Present							
david johns	Absent	Present	Present							

### Grades

Search in Grades

STUDENTS	ASD	DDD	TESTT	HW9	HW2	ACTIONS
Andrew Bank	0	100	90	100	0	
Harry Potter	90	0	0	0	0	
Janet			0	0	0	
Johnny like	0	0	0	0	0	
S V			0	0	0	
User1	0	0	0	0	0	

## Add Student

Selecting **Add Student** will allow the user to add a student to the batch. The user must select a student from the Unassigned Students section. The Unassigned Students are those that have not yet been assigned to that particular batch. Once a student is added to the batch, a new row will automatically appear in the Attendance and Grades table for the new student. Default attendance value is Absent. Students can only be added one at a time today, but in the future, adding multiple at a time can be considered as an enhancement.

Add Student

Add Assignment

### Unassigned Students

Add S V to Batch

Add Janet to Batch

Add Vaishali to Batch

## Add Assignment

Selecting Add assignment will allow the user to add an assignment to the batch. This will automatically create a new column in the Attendance table for the new assignment. Default grade value is 0.

## Student Attendance

Clicking the edit icon in a row of the Attendance table will allow the user to toggle between Absent and Present values to take attendance for the student.

## Student Grades

Clicking the edit icon in a row of the Grades table will allow the user to update grades for the student.