CS Entry

A clean, straightforward platform for data entry

CS Entry is a mark entry system designed to simplify the process of entering and fetching marks and other data for the Leadership Board. It lets you enter the marks through your Android device and the web, view data, download them in an Excel compatible format, and calculate and generate the Star Of The Week PDF automatically.

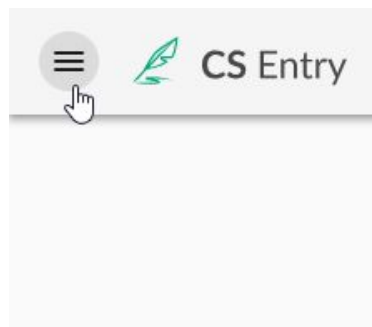This PDF will guide you through the mobile and web interfaces of CS Entry.

How to: The Web Version

Log in to the system

If you are faculty, please enter your email address as your username, the password that the administrator gave you, and click Log In to continue. The default password is your email address without the "@..com" part, but the administrator can change it.

Navigating the options

All the options can be viewed by toggling the left drawer by clicking the sandwich menu in the top left side of the screen.

Adding Mark Entries

Once you have completed a recap/summary/activity session, you can enter the marks for the students who participated.

- Before you can enter the marks, you have to enter the session details, like the regulation and course. The date on which you are entering the marks will be recorded as the session date automatically. Enter the no. of students for whom you wish to enter marks.

- A list of fields will appear depending on the no. of students you wish to enter marks for. Choose their register no. and give them a score out of 50.

- Click the button for submission, and if all your entries are valid, they will be saved. If you have duplicate register numbers or empty fields, the system will show you an error.

- If you want to discard the current details and start again, click Cancel, and the fields will go away.

Viewing Mark Entries

You can view the marks you have entered for all your students across all the courses you teach.
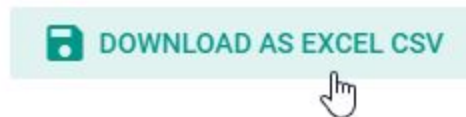
- A list of all the entries will appear, listing out each and every entry you previously entered.

- The data table is **fully sortable**, simply click on the data header, like "Register No." or "Marks" and it will sort the data in ascending or descending order automatically.

SV

Search

Student Register No. ↓   Student Nam

- The Search bar is capable of **filtering the data** based on whatever information you type in it. For example, if you want a list of entries for the date of "February 2019", then type "2019-02" and it will filter the list to show only those entries.

Search 🔍

- You can **download the entire list of entries** to a CSV file, that you can open and process with any Spreadsheet software like Microsoft Excel. Click the Download button and a copy of the data will be downloaded to your device.

💾 DOWNLOAD AS EXCEL CSV

Viewing Total Marks

You can view the total marks scored by the students in your department. This score is accumulated based on all the marks granted by every faculty he/she is under.

- A list of all the entries will appear, listing out each and every student and their accumulated score.

- As with the mark entries, the data table is fully sortable, and you can search for and filter specific data through the Search bar.
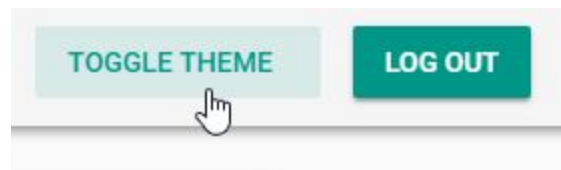
Star Of The Week

CS Entry is capable of automatically calculating and producing a downloadable PDF sheet showing the Star Of The Week of the class ready to be printed.

- Enter the Starting Date and the Ending Date. The system will create a range of dates that will be considered the 'week' or 'duration' for which the Star Of The Week will be calculated. For example, a week may start from 2019-02-15 to 2019-02-22.

- Enter the regulation (the batch year) and the section. For example, for III CSE C batch of 2016-2020, enter '2016' and 'C' as these details.
- Hit the Download PDF button. If the details are correct, a PDF will be downloaded to your device. If any errors occur, the system will alert you.
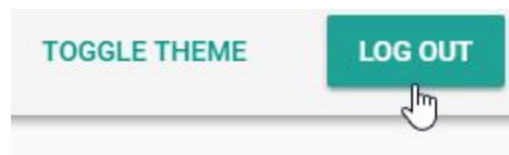
Switch between a light or dark interface theme

As an option for convenience, if the primarily white interface makes it difficult to read text, you can switch to a dark theme by clicking the 'Toggle Theme' button, that will turn all components dark.

Log out of the system

CS Entry is capable of storing your session so it opens your account automatically every time you access CS Entry. If you are on a public device, you might want to close the session, so other faculty can use CS Entry to login to their own accounts. Click the 'Log Out' button to close your session.

Administration Actions

If you are in charge of maintaining the database of CS Entry, you can log into the system as an administrator.

At the time of login, click the 'Switch to Admin Login' button to change your login mode to administrator login. Enter the administrator credentials given to you, and log in.
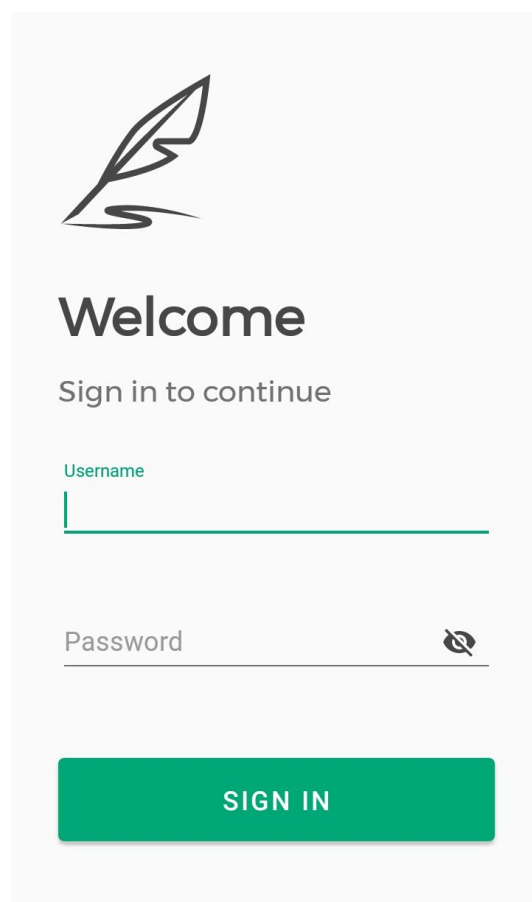
Similar to the faculty interface, the left drawer has all the actions you can do, such as adding and viewing student, marks and faculty data.

To upload image for student, first add the student through 'Add Student', then look for his/her entry in 'View Students', click the Camera icon to upload the image. Click the 'Upload selected image' to save changes.

How to: The Android Version

Log in to the system

If you are faculty, please enter your email address as your username, the password that the administrator gave you, and click Log In to continue. The default password is your email address without the "@..com" part, but the administrator can change it.
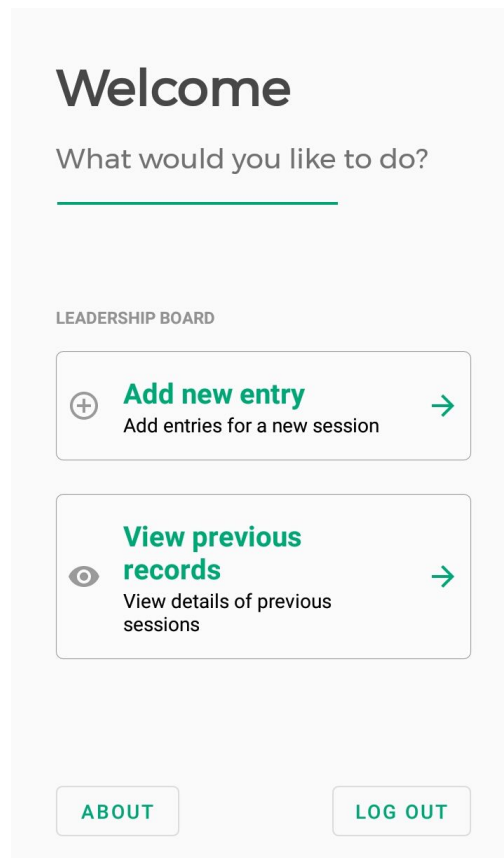
Navigating the interface

If your login was successful, your app will open the dashboard where you can view all the actions available to you.

Welcome
What would you like to do?

LEADERSHIP BOARD

⊕ **Add new entry** →
Add entries for a new session

👁 **View previous records** →
View details of previous sessions

ABOUT   LOG OUT

Adding Mark Entries

Once you have completed a recap/summary/activity session, you can enter the marks for the students who participated.

- First, the app will ask you to enter the Regulation and Course the session was conducted in. The date at the time of entering details is automatically taken as the session date. Enter the no. of students for whom you wish to enter marks.

- The app will then ask you to choose the register number of the student you want to award marks to, and give a score out of 50.

- Click the button to submit. That entry will be submitted to the server. This will repeat automatically until the no. of students you entered is reached.

- If you want to stop adding marks, hit the 'Cancel' button at anytime. However, all entries submitted prior to hitting Cancel would have saved anyway.

New Entry

Enter the session details

Select the regulation

2016 ▼

Select the course

UNIX INTERNALS ▼

Enter the no. of Students
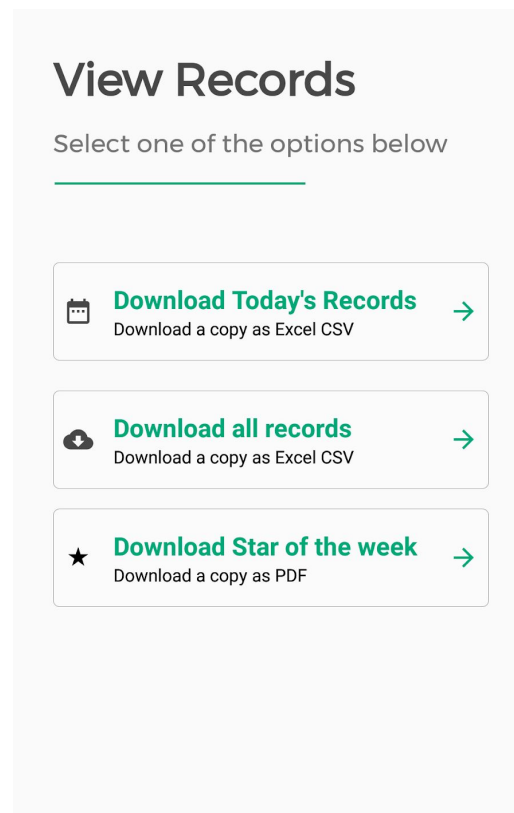
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CONTINUE

Downloading your entries

You can download the mark entries you entered by selecting 'View Previous Records'. The data will be stored in a Excel compatible data format that can be opened with any spreadsheet software.

- You can download the entries for the current date by selecting "Download Today's Records"

- You can download all your entries, for all your courses, by selecting "Download All Records"

Star Of The Week

CS Entry is capable of automatically calculating and producing a downloadable PDF sheet showing the Star Of The Week of the class ready to be printed.
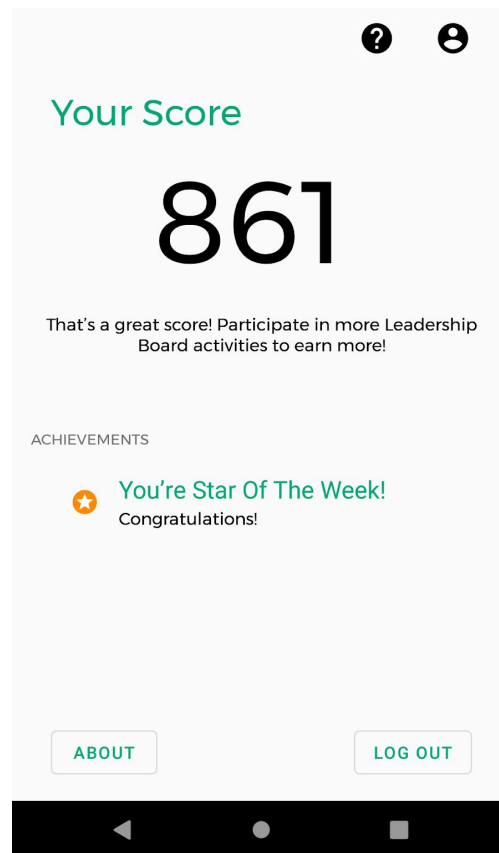
- Select the 'Download Star Of The Week' option. The app will ask you for a few details.

- Enter the Starting Date and the Ending Date. The system will create a range of dates that will be considered the 'week' or 'duration' for which the Star Of The Week will be calculated. For example, a week may start from 2019-02-15 to 2019-02-22.

- Enter the regulation (the batch year) and the section. For example, for III CSE C batch of 2016-2020, enter '2016' and 'C' as these details.

- Hit the Download button and a copy will be downloaded to your phone. Open your Downloads to locate and open the file.

View Records

Select one of the options below
_____

📅 **Download Today's Records**
Download a copy as Excel CSV
→

☁ **Download all records**
Download a copy as Excel CSV
→

★ **Download Star of the week**
Download a copy as PDF
→

For Students

The mobile app of CS Entry allows students to login and view their leadership board score that they earned so far. It also lets them see any achievements they may have to their name based on their leadership board performance.

- Students must simply enter their register number as the username and password during login. Our system detects the type of account automatically, and logs in the student.

- A dashboard panel showing their scores and achievements will open.

This concludes the brief tour of CS Entry's features. We hope you enjoy using it. We welcome feedback. Please mail us at *mjolnirssvr@gmail.com*

Technical Specifications

Our principles could be described in three words: *Modern*, *Clean*, *Simple*.

Modern:

We achieved this by using modern, open source tools and technology.

Our server that makes the magic work is written in pure *TypeScript*, and uses popular JavaScript libraries like *Express* and *TypeORM*. The data is stored in a *Postgres* database, and the API is written with *GraphQL*. Not only that, we have containerized this assembly using *Docker*, and it is deployed to the cloud on *Heroku* which serves you CS Entry whenever you connect to it.

Our web platform is built on *Vue.js*, a powerful modern JavaScript framework, and *Vuetify*, a faithful implementation of Google's Material Design as fast and performant Vue UI components.

We use *Kotlin* and the latest *Android Jetpack* componentry in our Android application.

Clean:

We believe in good design. We started the project by designing and prototyping the user interface of our application, and we made sure the design is clean, it is the least distracting, that it looks modern, and it shows confidence and shows you that it gets the work done.

Simple:

We wanted to make sure that our application is easy to use, and that it does not water down the experience with too many options and features loosely lying around. The interface is tight, it shows you a handful of things you can do, and it cuts up the work into sections, and this makes sure that everything you see on the screen has a purpose.

About **Us**

://404**FOUND**

CS Entry was made by Team **404FOUND**, a team of four students from the batch of BE/CSE 2016-2020, Section C.

Our code is hosted on GitHub. The link [here](#) will take you to the GitHub repository that houses our Android application, and from there you can get to the repositories of the server code and the web code.

Thanks to all the supportive staff and students of the Department of Computer Science and Engineering at SNS College Of Technology, Coimbatore.