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PROJECT ABSTRACT

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A Complete DBMS-based solution for Contest Management in Institutes

What's this?

Conducting multi-contest events is common among colleges. But when managed manually, it bursts with various **drawbacks**. It is a huge load for people to manage various works as events include various contests, participants, judges, coordinators etc., and managing them involves correct information to the source with the event details, arranging the requirements and making sure all is functioning as planned. So manually managing them paved way for **errors** (a lot!) which creates unavoidable dilemmic situations and disrupts the event's satisfactory era. Due to this, most of the events face at-least one controversial problems which hits hard the lawfulness of the event. Although attempts were made to solve this by distributing tasks to more men, those created even for newer issues like trouble in synced-working and made the spotting of the problem spot a more tedious one. In short, nothing would be like a **Computer's work** in the management of the event!

We were issued the task of making the Software System(mainly database) that solves all the present hardships and here are we! **CoMS** includes all the features that is required for a paperless event management reducing at least 90% of the jobs of event conductors as providing only information and orders is more than enough! All other works are automated. So now, the event conductors can just tell their bursting tasks to it and...just enjoy the event!

Main Features

- ☰ Maintains a record of all the participants, judges with unique_id.
- ☰ Holds a record of all the events with their corresponding event_Id and other necessary details.
- ☰ Features a smart management of multi-contests enabling the management of multiple events participation.
- ☰ Keeps record of all the winners with their event(s) of participation along with the judges panel.
- ☰ Has record of all the judges with their respective events and provides information to managers and coordinators for making necessary arrangements.
- ☰ Provides quick access to the details like the contestants with most no. of wins, participations etc., which can be used for advertisement and analytical purposes.

Modules

Admin Controls: Admins will be able to **Create, Read, Update** or **Delete** any table or tuple in the database. They owe a complete control over the database. This module allows admins to use some pre-set queries or a custom query that fits their requirement

Create Event: This module is for creation of new events for the contests. Can be accessed by admin and co Ordinator of the events.

Venue (Stage) Allocation: This module helps in allocating venues for different events. This is designed to avoid the deadlock and conflicts for the same venue by two or more events at the same time. This can be accessed by admin and co Ordinator of the events.

Judge Allocation: This module aims at assigning judges for various events across the stages. This takes care in avoiding the conflict of the same person being assigned to be at two places at once. This can be accessed by admin and co Ordinator of the events.

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Contestant Registration: This module aids for the contestants to register for the events of their choice. It be accessed by anyone.

Creating a participant list: This module is for generating a participant list (contest wise / contest and category wise). This be accessed by admin and co Ordinator of the events.

Scoring: This module will be used by judges to record the scores of participants based on their performances. This be accessed (but can't be assessed!) by admin and co Ordinator of the events and Judges.

Result Publication: This module is used to publish the results of the competition (Bulk or event-based). This can be accessed by admin and co Ordinator of the events.

Result view: This is used to display the results in public. It can be accessed by anyone.

Check Score: This is used by the participants to check their individual score. Using this module, the data can be accessed only by participants.

Benefits

CoMS is designed for managing any kind of events (inter-college or intra-college) for students or staffs. Nonetheless, care is taken in writing a system that is extensible and configurable, in order to accommodate both possible future changes in the way of the conduction of competitions, change of rules and any mode of conduction (physical present, online mode, etc.).

This helps the participants to have a clear view about the venue, an idea about the co-participants, eligibility criteria, events, judges, and awards. This not only helps the participants but also aids event managers and judges to know the details of individual participants in a well organized structure. On whole, this entire system is inter-related among different entities (participant, events, judge, etc.), thereby ways of accessing any data is made in a more facile manner. We also have successfully implemented multiple levels of security to our system, thereby ensuring that the personal details of every participants would always be personal! **CoMS** will also be useful for all students, faculty, staff and visitors of the college by providing them necessary information. It also stores and provides data which can be generated in the required formats so that this enables the usage of the collected data for any sort of purposes from reference to Big-data Analytics. By this, we tried to provide this solution for the new generation event management.

A product by **solv-ed**

The Team

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*Team roles and Platforms are subjected to changes. Any considerable changes would be informed to the clients if required.