

# Automated Student Community Portal



CMAK Zeelan Basha, N Ch Rishi Vardhan, P Gowtham, V V Tanuja

**Abstract:** *Student Portal is an interface used to associate with the students in a university. The application is basically classified into two categories such as Community Portal and Registration Desk. The application permits the enrolled user to login and a new user is allowed to enroll. Community portal contains forums including event queries, placement queries, fresher queries, sports queries. Event designer creates an event, all users willing to take part in the event must register by filling out the form. Event managers sign in and download registered users data from application*

**Keywords:** *Community, Registration, Forums, Events*

## I. INTRODUCTION

Student Portal is a cloud-based application built with the support of Servicenow platform. ServiceNow is an IT Service Management (ITSM) software platform. This lets you simplify the operation of IT Business Management (ITBM). Based on ITIL guidelines, this cloud-based framework is planned. This provides the flexibility, power and reliability to achieve the incident and problem management objectives. The proposed system involves user queries being solved and users to register for events. Using credentials to access the application the existing user is asked to login and a new user may sign up with general information such as first name, last name, email. The user will be routed to the homepage after signing in. The Homepage consists of two categories, Community and Registration Desk. Community is an application that offers versatility in posting questions and reacting to the query by other users. Reply can be of any format which includes text, document, audio, video and web links. Community consists of forums, topics, content list, leader board and event remainders. The content list includes the Related Forum, Content Type and Sort by. The material will be shown depending on the selection of the above choices. Registration desk is very useful when registering for events. This application is a site for knowing the events, registering for the events and getting a downloaded copy of registered users.

## II. EXISTING SYSTEM

An application can be created using any of the current

programming languages such as C, Java, Python, etc. The student portal is also an application that requires several modules to be built to create a complete user interface. However use of these programming languages is a time-consuming process, rather than using a software tool improves efficiency and leads to better results.

A full interface for interaction between users within an organization is found nowhere in order for querying and remainders. On the other hand a manual registration process during any of the events is done in a manual manner gathering all the user details without using any of the online resources.

## III. PROPOSED SYSTEM

The student portal allows students to register for events by filling out the form associated with the event and engaging with their questions through a network, this is achieved by using a community plugin.

This application may be accepted by colleges and organizations. This program is reliable and saves the consumer time and costs.

## IV. MODULE DESCRIPTION

### A. Login/Signup

In this module, first every user who wants to access the application must sign up, then submit the request to the administrator. If the authorized user receives his credentials in his registered email with a randomly generated password, the user must login with that random password and then reset his password later. If the request is denied by the administrator, the user does not have access to the application. This is done by means of an user registration plugin.

### B. Homepage

After the user is routed to the homepage after positive authentication, we have community and registration desk.[1]A user can pick any module they are interested in. They will be redirected to their respective module on the basis of their choice of interest. A user can access their own profile where they can edit profile images, email ids, phone numbers and preferences. Upon completion of the job, the user can log out of the application. This is done using the stock theme on the service portal page.[2]By using the stock theme, a status bar will appear at the top of the application to allow the user to navigate to the homepage from any page with in the application.

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\* Correspondence Author

**CMAK Zeelan Basha\***,Koneru Lakshmaiah Education Foundation, Guntur, India. Email: cmak.zeelan@gmail.com.

**N Ch Rishi Vardhan**, Koneru Lakshmaiah Education Foundation, Guntur, India. Email: sriramrishi@gmail.com

**P Gowtham**,Koneru Lakshmaiah Education Foundation, Guntur, India. Email: gotham.palacharla@gmail.com

**V V Tanuja**,Koneru Lakshmaiah Education Foundation, Guntur, India. Email: tanuja.veeragandham@gmail.com.

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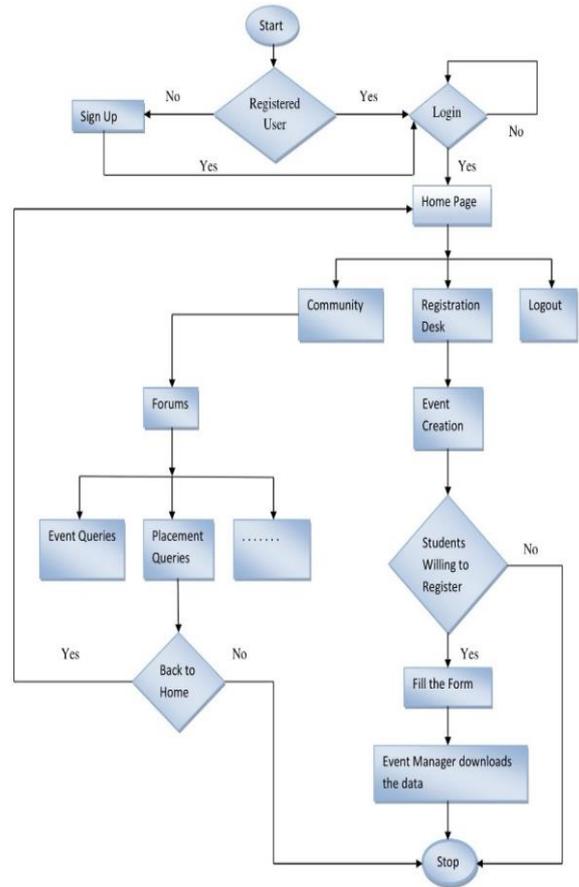
**C. Community**

[3]A community is a group of people sharing something with each other. You need a bunch of people who feel some sense of belonging and social relation in some way. Posted queries are classified according to their forum. Rather than having all queries posted on a single page, forums help in categorizing them. Users can post queries in their specific forum, any other user relevant to the query can post their response in the form of text, document audio, video, web links. Users who think the published content is useful may mark it as helpful, if they find it useful. Through marking the answer as helpful, the user gets those points and the user gets a place in the leaderboard based on those points. [4]Any number of questions can be asked in the forum and any number of forums can be accessed by the user. If the user subscribes to a specific forum whenever a question is posed in the forum, the user will receive the email. For user-friendly access, the content list includes features such as the type of content that allows users to filter questions based on their criteria, such as recently posted questions, the type of response, etc. Another option for the community is to post the details of the event so users may express their interest by voting the answer as attending or not attending if there is any event that is going to be held in the organization. All these features are rendered through a community plugin.

**D. Registration Desk**

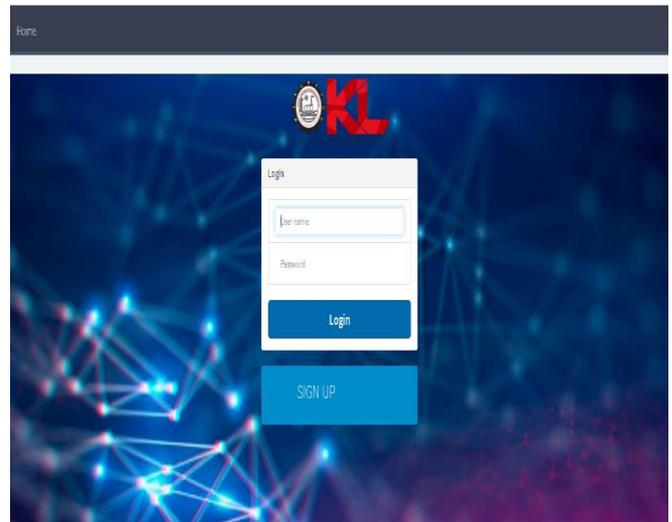
There are three key functions in this module, event creator, users and event managers. Initially, an event must be created by the event creator for each activity that takes place at the registration desk. Now the user's function is to register for the events created, based on their interest. The method of registration is achieved by filling out the relevant form for the event, the form consists of serial number, user name, Id number, email, mobile number. Before submitting the form that is useful for further processing, the user must ensure that they note their serial number.[5]For event managers to collect information of registered students, they need to sign in to the application and can access the list of registered students for an event, they can download the list in any format such as excel, pdf or csv. The download option is made available to the event manager, by creating Data table from instance definition, Which is a predefined widget in the service portal page

**V. FLOW DIAGRAM**



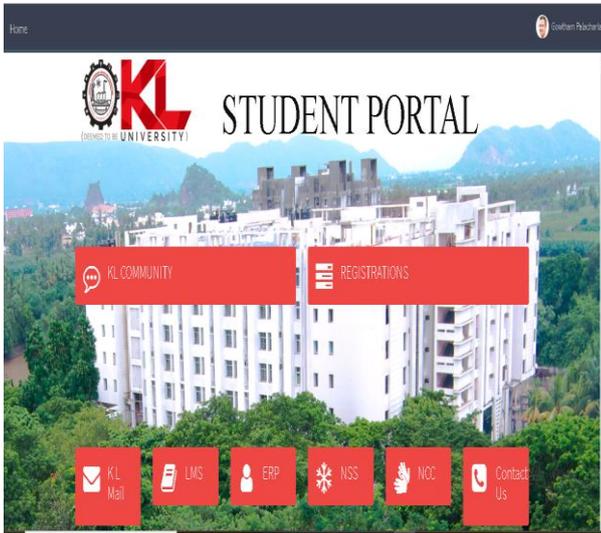
This flow diagram explains all of the application's activities

**VI. RESULTS**



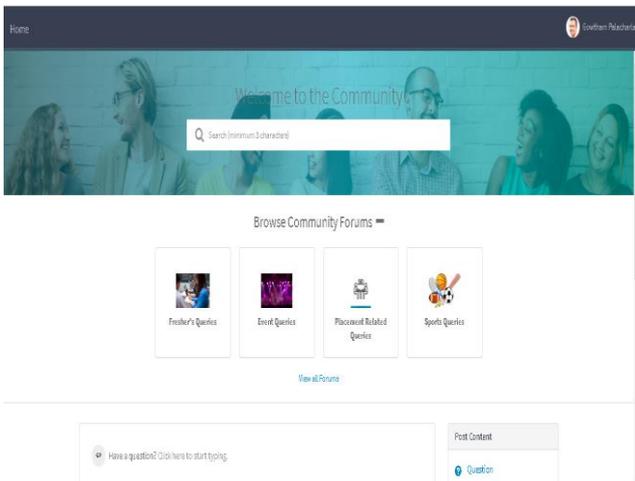
**Fig.1 Login/Sign Up Page**

This module explains how users can use their credentials to access the application or how users can sign up to access the application.



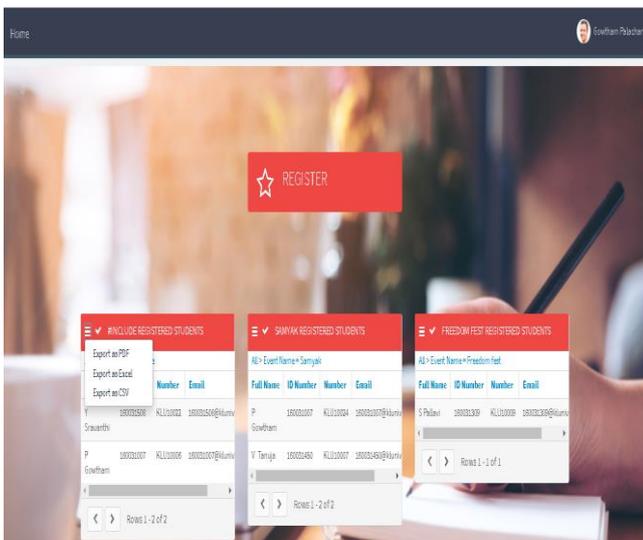
**Fig.2 Home Page**

This homepage module consists of two domains primarily community and a registration desk. The user can access any of them, depending on their interest.



**Fig.3 Community**

The user interface and all the flexibilities for querying and event reminders are included in this community module.



**Fig.4 Registration Desk**

In the registration desk section, as soon as the event creator creates the event the user will be able to fill out the online form and later event administrator will access the registered

user information.

## VII. CONCLUSION

An application should be built in such a way that it fulfills all the requirements specified by the client. There is no rule that it should be built using only the programming language there is a lot of technology that is being evolved and Servicenow is one of them. Thus, using this tool Student Portal has acquired efficiency in every aspect.

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## AUTHORS PROFILE



**Mr.Cmak Zeelan Basha** is working as Assistant Professor in department of CSE in Koneru Lakshmaiah University. His research area is Image processing. He has published several papers in area of image processing. He is having around 10 years of experience in teaching Area of interest in subjects are Image processing, Data mining

and Data Warehousing, Data Structures, python programming, OOPS through java, etc



**N Ch Rishi Vardhan** is pursuing B.Tech in department of CSE in Koneru Lakshmaiah University. His research area is cloud computing. He is servicenow certified application developer and currently working on many servicenow hackathon and won third prize. His interested subjects are DBMS, OS, OOPS through Java..



**P Gowtham** is pursuing B.Tech in department of CSE in Koneru Lakshmaiah University. His research area is cloud computing. He is servicenow certified application developer and currently working on many servicenow projects. He also participated in servicenow hackathon and won third prize. His interested subjects are DBMS, OS, OOPS through Java.



**V V Tanuja** is pursuing B.Tech in department of CSE in Koneru Lakshmaiah University. Her research area is cloud computing. She is servicenow certified application developer and currently working on many servicenow projects. She also participated in servicenow hackathon and won third prize. Her interested subjects are DBMS, OS, OOPS through Java.