My Campus A Vertical Social Network

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Abstract - **myCampus is a vertical/ dedicated Social Network that focuses on the students of a particular Campus. The aim is to divert their addiction, make them utilize their time and the talent they possess. This can be achieved by providing them with online features such as Create and organizing an event, Volunteering, Project management tool and other related campus activities. Student's Project Management Tool provides an online Project Management Software solution to help students work on their academic project, co-ordinate with each other and to track their software development process stage by stage. It also is useful in providing information of events in the campus disregard of their branch and department.**

Keywords – Social Network; Student Project Management; User Categories; Tasks, Bugs; Digital Resources.

I.INTRODUCTION

Social Network: A social network is a social structure made up of a set of social actors such as individuals or organizations, and a set of the dyadic [1] (two individuals) ties between these actors. According to users' features and purposes, social network systems can be classified as two categories [2]:

    1.1 Public social network.
    1.2 Vertical social network.

Public social network: Public social network systems usually accept all internet users as system's user. They allow to share, comment, forward, keep and recommend tweets, photos, blogs etc. Most of the well-known social network systems, such as Facebook, Twitter, Weibo and RenRen are public social network systems.

Vertical social network: These systems usually accept users with some common features or within an organization. Aside from the functions that public social network systems provide, vertical social network systems will add some specific features for its special purposes.

For example, **LinkedIn** is a vertical social network system for professionals, **Beehive** is the vertical enterprise social network system for IBM Employees[4].

II.PROBLEM DEFINITION

Public Social Networks are isolated from universities' cyberspace of campus users. As a result, public social network services have following disadvantages.

(1) It cannot be connected with the real environment and activities of universities' campus. (2) On the other hand, public social network systems cannot provide strict information protection to the users and organizations that users are belonged to because of their consideration of commercial interest. (3) Diverts them towards non-educational, unethical and inappropriate actions such as useless chatting, time killing by random searching, etc. (4) Cyber bullying. While social networking sites provide a way for students and teachers to connect, they can be a weapon of malicious behavior--even on college campuses. (5) Social networks can be a distraction. It can be a waste of time as people can visit a site to check on a thing and end up spending the whole day 'behind the screen' and as a result, not doing anything useful with their lives.

III.PROPOSED SOLUTION

A Vertical/ Dedicated Social Network that focuses on the students of a particular Campus. The aim is to divert their addiction, make them utilize their time and the talent they possess. This can be achieved by providing them with online features such as Create, Organize and Coordinate an event, Volunteering for an event, Project management tool and other such campus related activities. Existing open source project management tool are unaware by most of the students in an educational institution. Student's Project Management Tool provides an online Project Management Software solution[3] to help students work on their project, co-ordinate with each other and to track their software development process stage by stage.

Advantages: (1) Organize project work. (2) Track progress stage by stage. (3) Report and track Bugs.

IV.REQUIREMENTS ANALYSIS AND SPECIFICATION

Analysis - Portal to know activities in a campus. Less knowledge of a Resume creation. Proper initiative for an activity. Ability to meet planned Project/Event's deadlines[5]. Virtual interaction.

Specification - Active participation of individual. Information of the events in campus disregard of their branch and department. Organised event management and transparency of details. Knowledge about corporate project management. Follow project plan.

V.MODULES AND SYSTEM DESIGN

Modules - myCampus includes the following primary modules:

- User.
- Project (Student's Project Management Tool).
- Project creation.
- Task
- Bug

It also contains other modules such as,

- Event.
- Library.
- Resume builder.
- Timetable and attendance.

Users are classified as either students or staff. Students are again subcategorized as senior, junior or alumni.
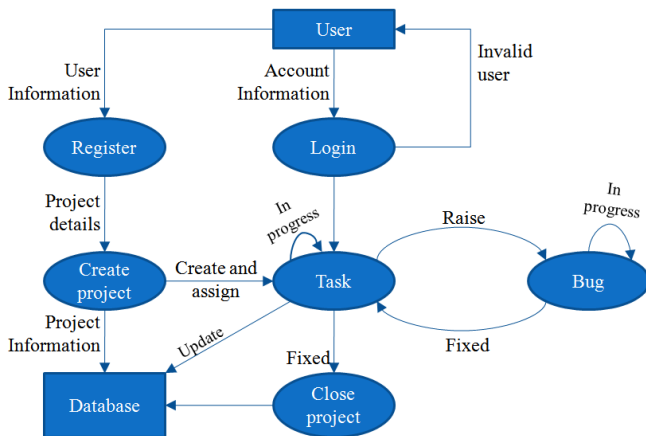

Fig 1: Data flow diagram for Student's project management tool.

User - The user details are collected and categorized as either Student or Staff. Students are sub-categorized as Senior, Junior or Alumni. The module provides information of registered user. Thus only the users of a myCampus registered institution are given access to the application. This ensures the confidentiality of individual as well as the institution.

Project - To make a team manage their project. The lead creates the project with required details. Lead assigns tasks to the team members to work on those tasks and ensures bug free completion. Lead is then given access to close the project to submit.

System Model – This system follows an Evolutionary modeling approach. The idea of the approach is to rapidly develop an initial software implementation from very

abstract specifications and then modifying it according to the appraisal
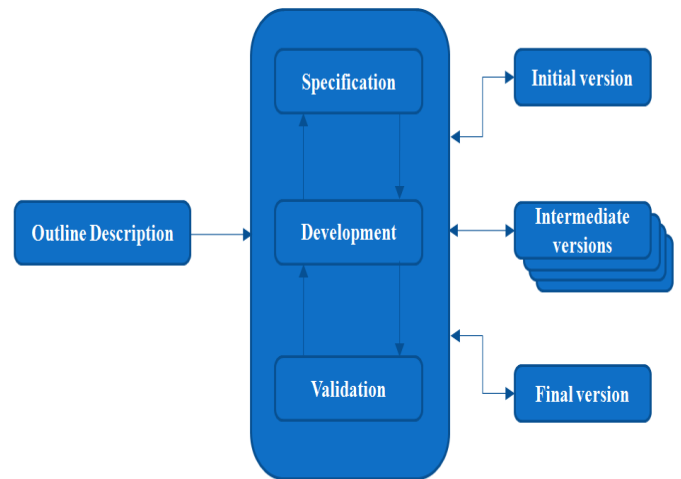

Fig 2: System Model

System Design –

User: This is the root component of myCampus. It not only deals with registration of users and categorizing them; but it also provides them with facilities such as creation of project or event and then managing them effectively.

Project/Event: myCampus aims at helping the students of a particular campus to create and organize their academic projects and intra/inter college events with a simple tool. It gives a timely notification about it to all the members of the particular project or event .

Features: This component includes all the basic academic functional modules such as Placement cell information, Calendar of events, etc., as well as student friendly modules such as Forums, Quiz and challenges, etc.
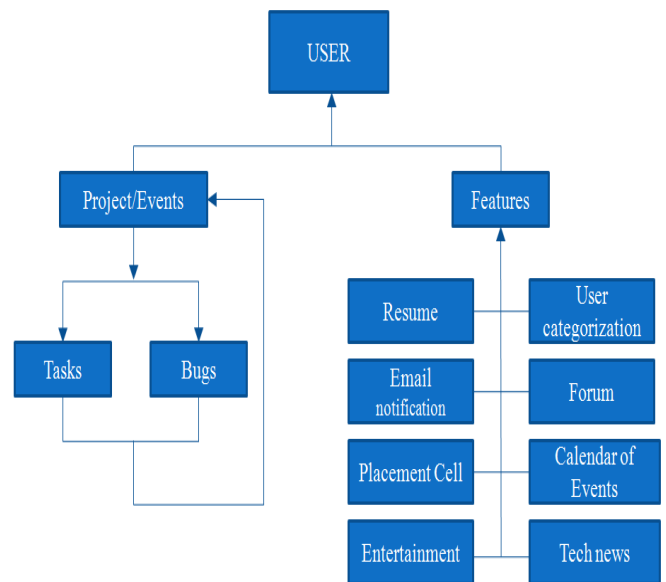

Fig 3: System design

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CONCLUSION

Campus social network system is a newcomer to the cyberspace of universities. It maintains personal social networks of campus users. Divert the students from their addiction towards public social networks. Future work concerns empirical study of user behaviors for knowledge sharing, improvement to the performance of the system and design of more suitable evaluation method of digital resources.

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