Academic Network

CSE324: Software

Development

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Project Members:

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INTRODUCTION

Academic Network is a community, targeting to connect all educational institutions of the country. The platform provides an interactive environment to connect both current & former members of some institution, i.e. University or college students, alumni and even faculty members. The project eliminates the need of creating course pages and group mails for running individual course, thus both teachers' and students' life be comes easy.

The community not only connects institution members but also offers a global platform, where people regardless universities/fields can talk. Thus, asking help globally became easy. While all Institutions, Fields, Courses & Subjects provide restricted access to authorized members, a public view also exists, so that they can publish news & events open to the world outside.

BRIEF DESCRIPTION

Academic Network is a free, open-source web project for creating a network among all students, teachers & graduates over a country. The project was initiated with a view to connect all current & former students/individuals of all educational Institutions (i.e Universities / colleges), Fields (i.e Computer Science / Business Management), Subjects (i.e Object Oriented Programming/ database/ data communication) & finally, courses (i.e CSE-100 Introduction to computers/ java/ c++) tought by any Institution (i.e Bangladesh University of Engineering & Technology) of a country. Besides individual institutions, there is also global scope of any fields (i.e community for all CSE people of the country) or subjects.

The project offers all materials necessary for running courses of some particular institution- discussion forum, messages, announcements, events, news, file sharing etc. Also, it offers an open network to server the global community of any fields - for example, a community for all Electrical & Electronic Engineers where they can talk, discuss, pass messages & ask for help.

Thus, you can ask something to all members your classmates, or to all students of your universities, and even to any one who graduated from your university/ from a different university! Help is everywhere!

University/Institution authorities can publish news & events at their dedicated homepage. Thus, any graduate/current students/facalty members can know what's happening.

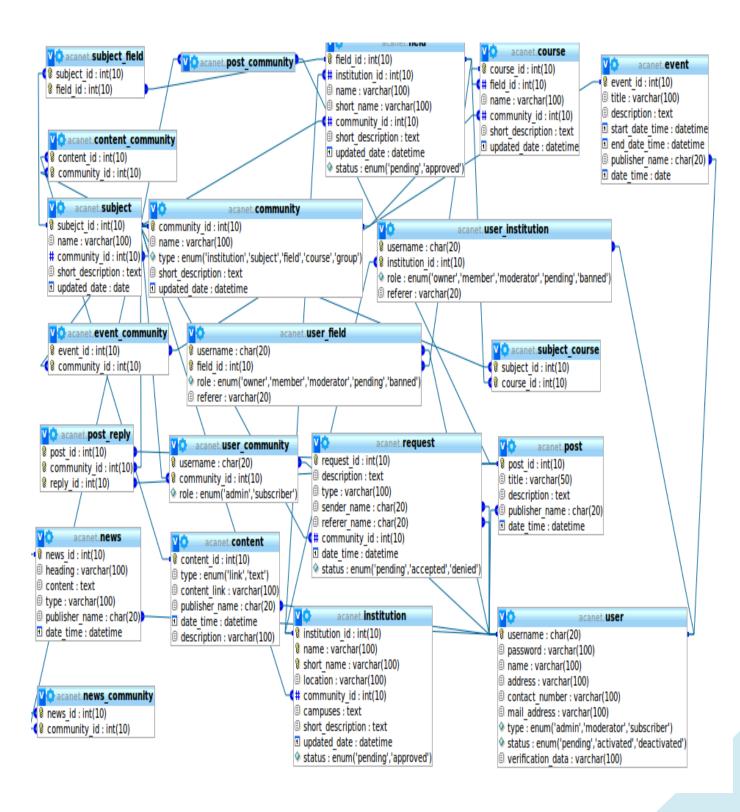
Life becomes easy for Course teachers. As they can announce exam dates, publish lecture slides, or answer to students' queries. Thus, need for a group mail is served.

Not a member of any particular institution? One can ask the global community to let them help publish his/her view! Thus, access to information is easier since extended helping hand is everywhere.

TECHNICAL INFORMATION

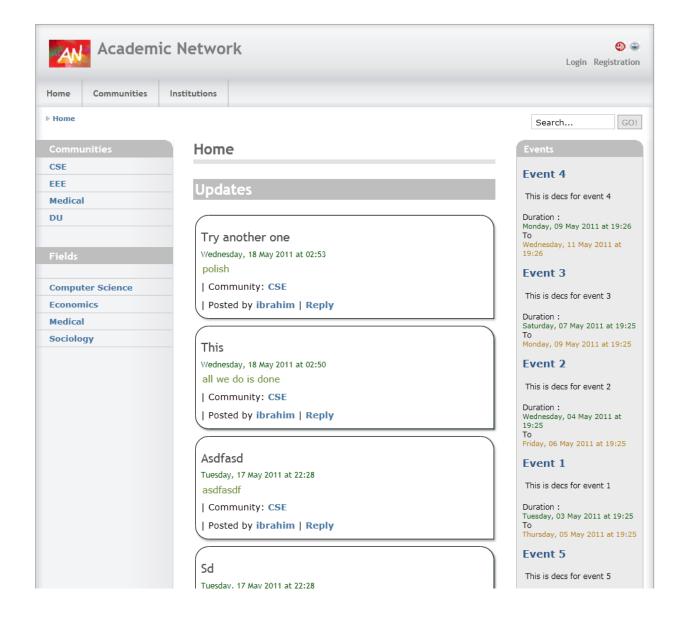
- Type: Web application
- **Programming Platform:** PHP for server side programming, JavaScript in client side (browser)
- Frameworks used: Codeigniter framework for PHP, jQuery for JavaScript.
- Software Architecture: MVC
- Servers: Apache2 web server, MySQL Database server

ENHANCED ERD

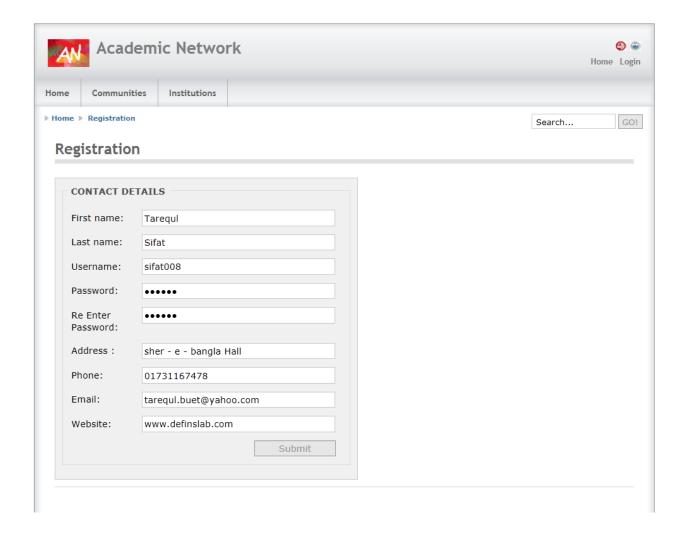


SCREENSHOTS

PUBLIC VIEW OF HOMEPAGE



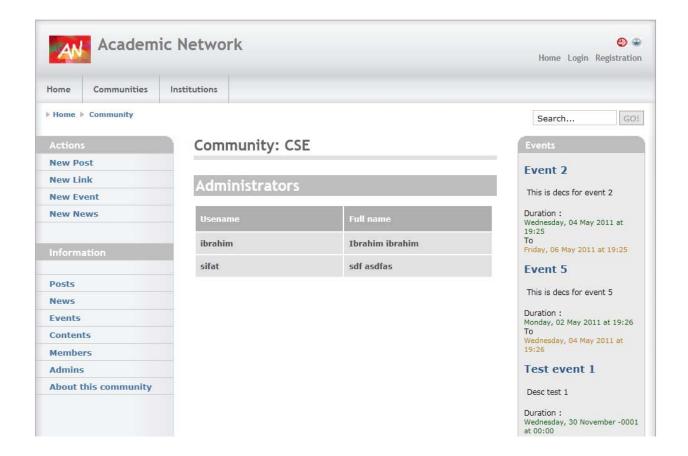
REGISTRATION



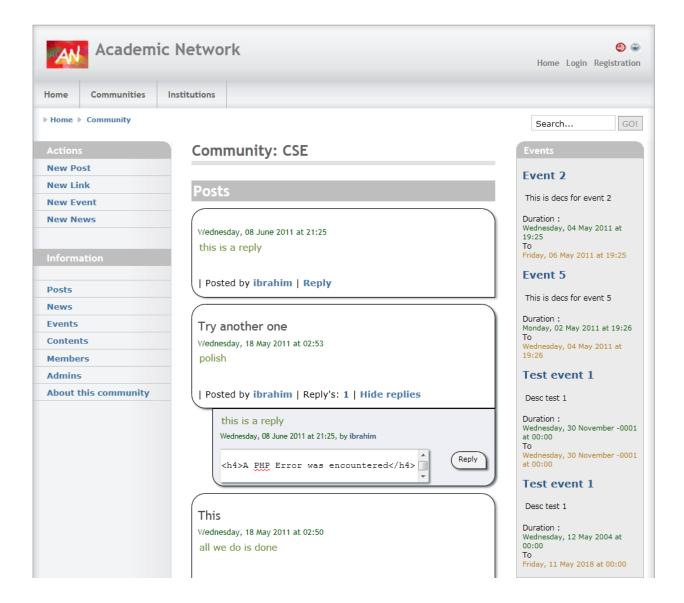
Log In



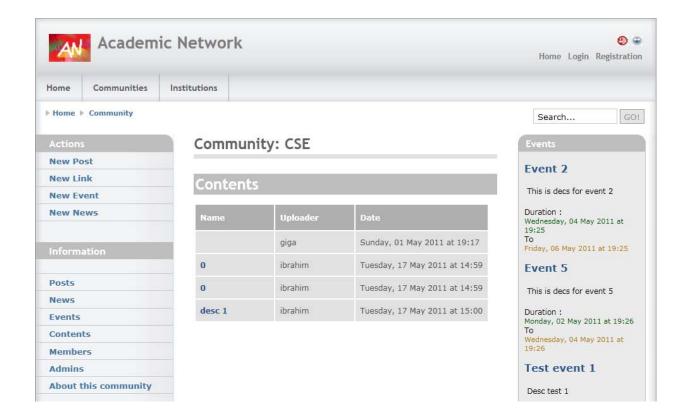
ADMINISTRATOR



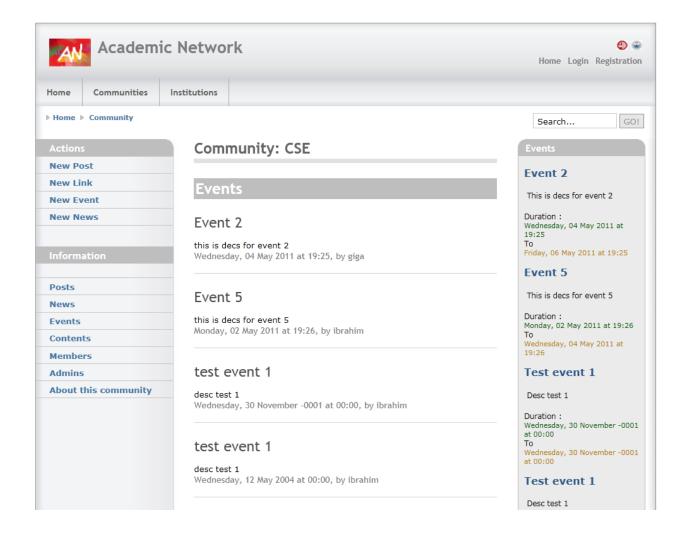
COMMUNITY



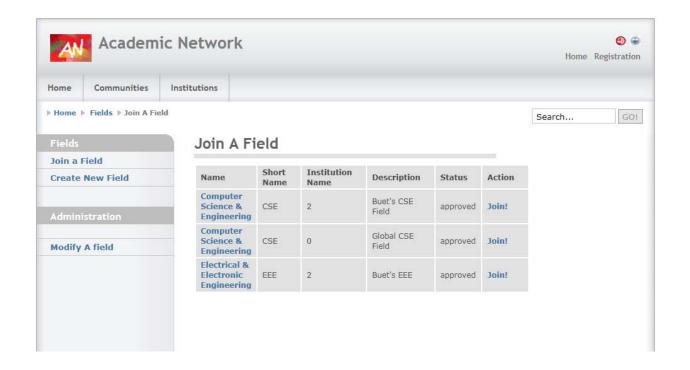
EXAMPLE COMMUNITY: CSE



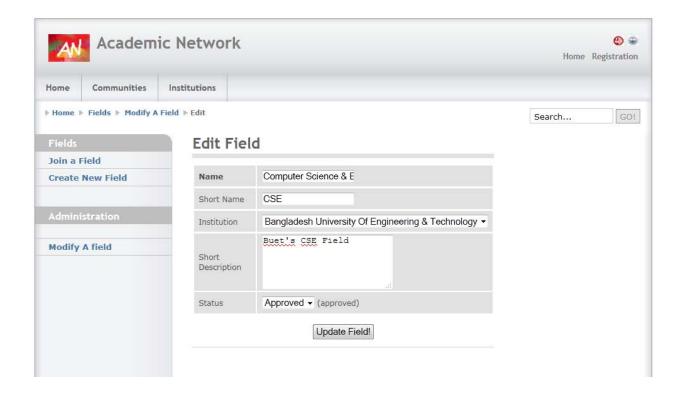
COMMUNITY EVENTS



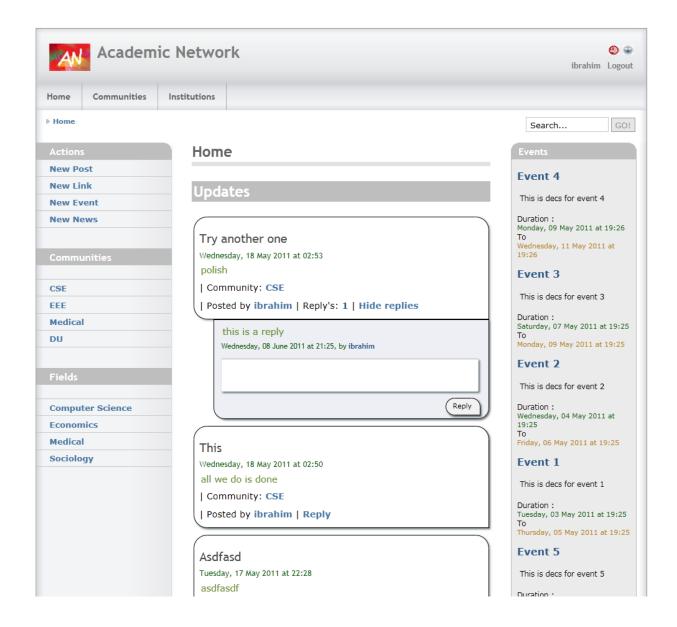
JOINING A FIELD



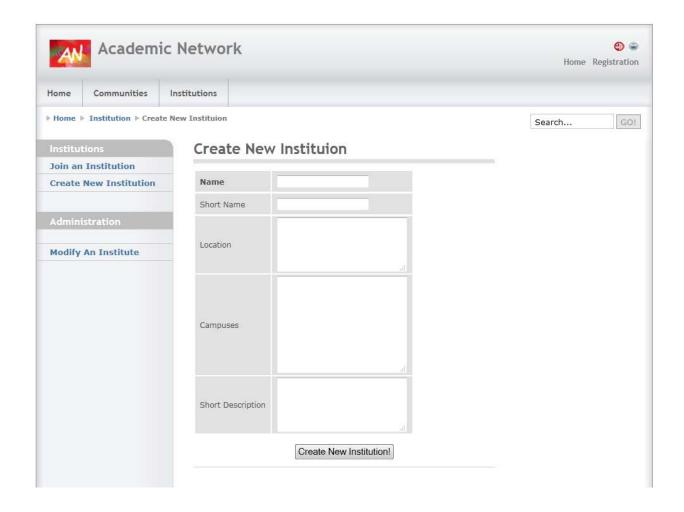
Modifying Field (Admin Privilege)



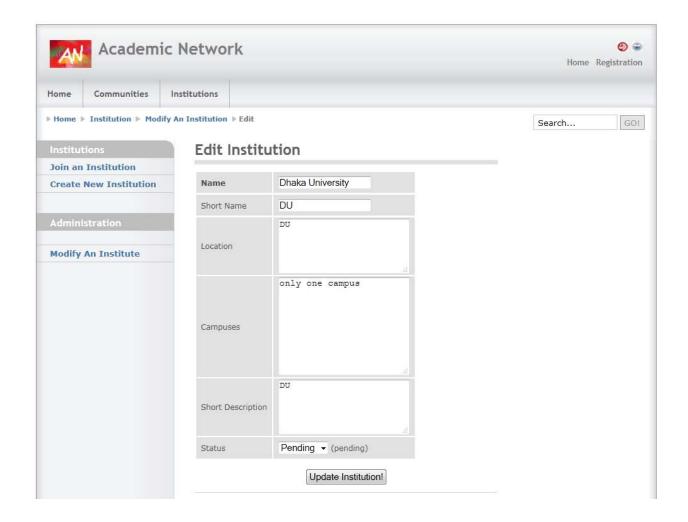
HOMEPAGE (VIEW OF A LOGGED IN USER)



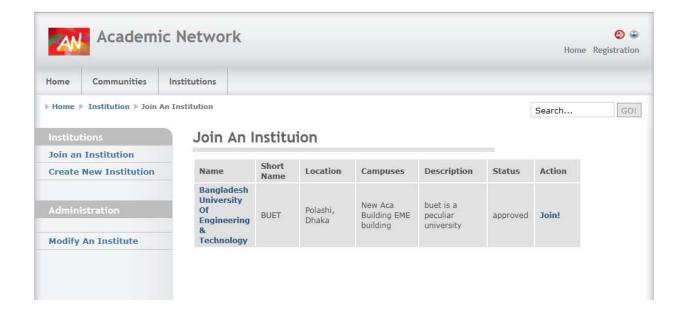
CREATING AN INSTITUTE



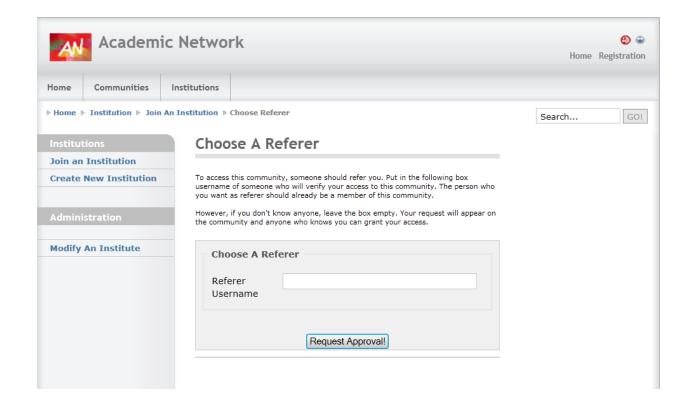
Modifying Institution



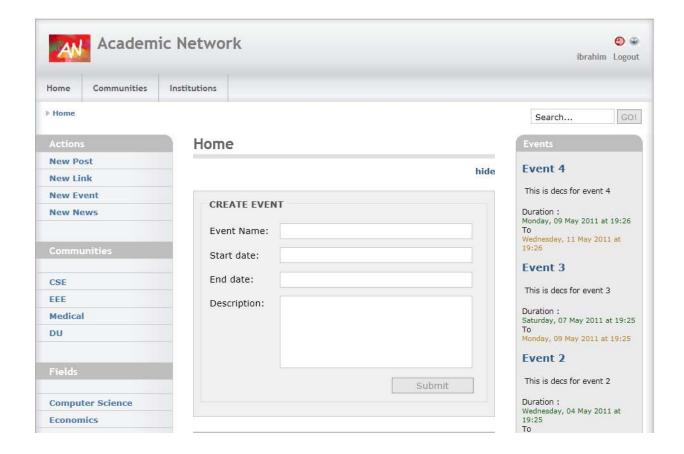
JOINING INSTITUTION



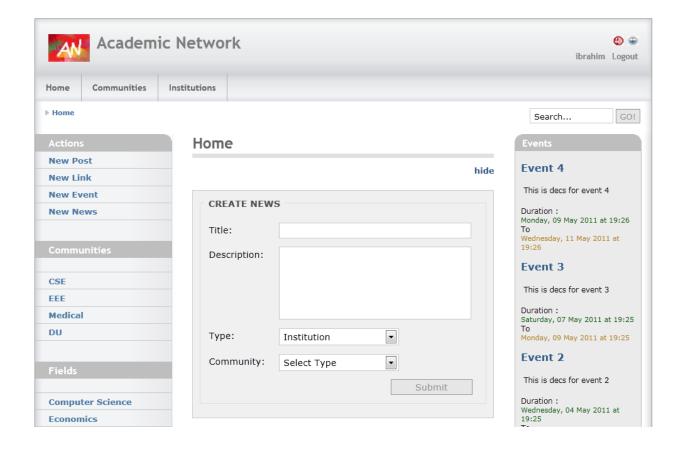
CHOOSE REFERRER



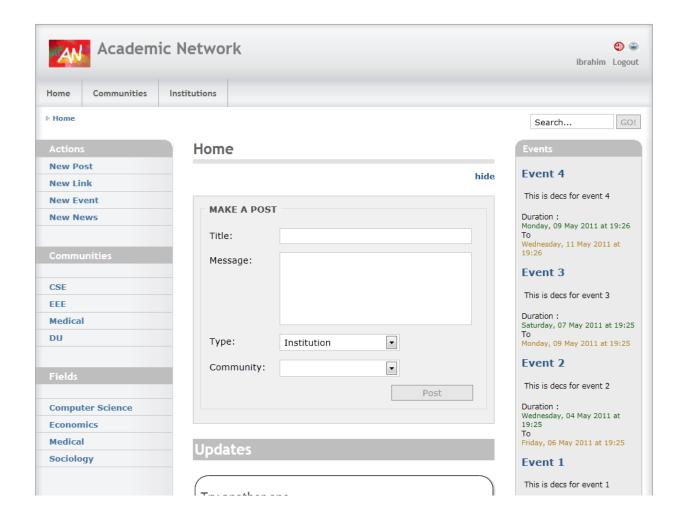
CREATING EVENT FROM HOMEPAGE



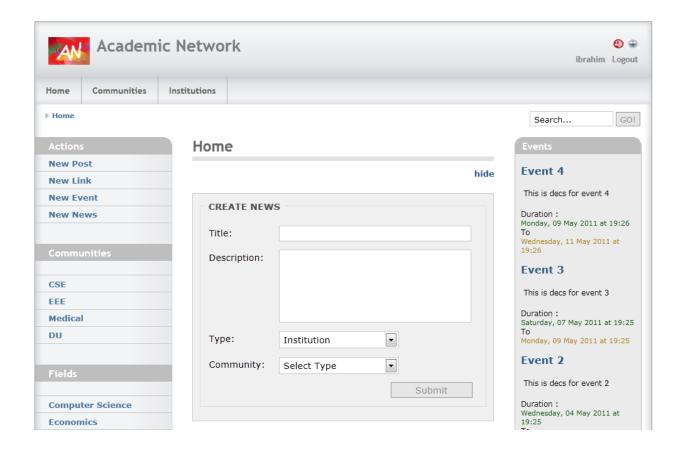
CREATING NEWS FROM HOMEPAGE



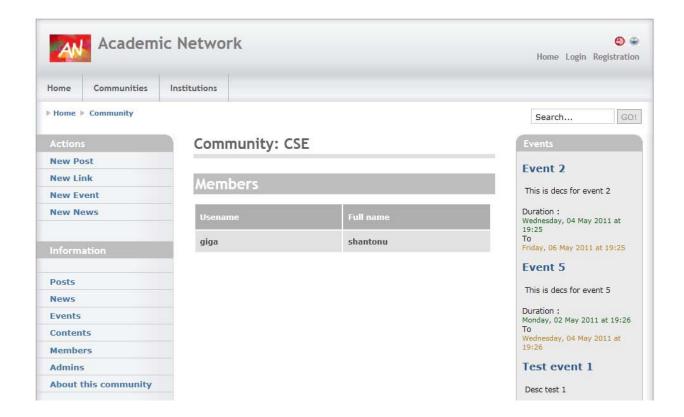
Make post from Homepage



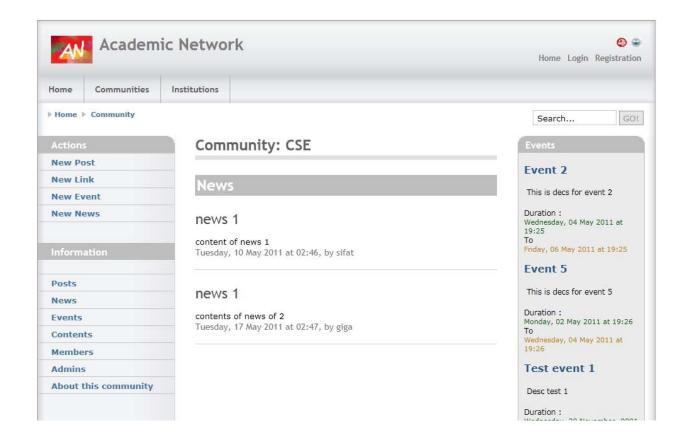
CREATE NEWS FROM HOMEPAGE



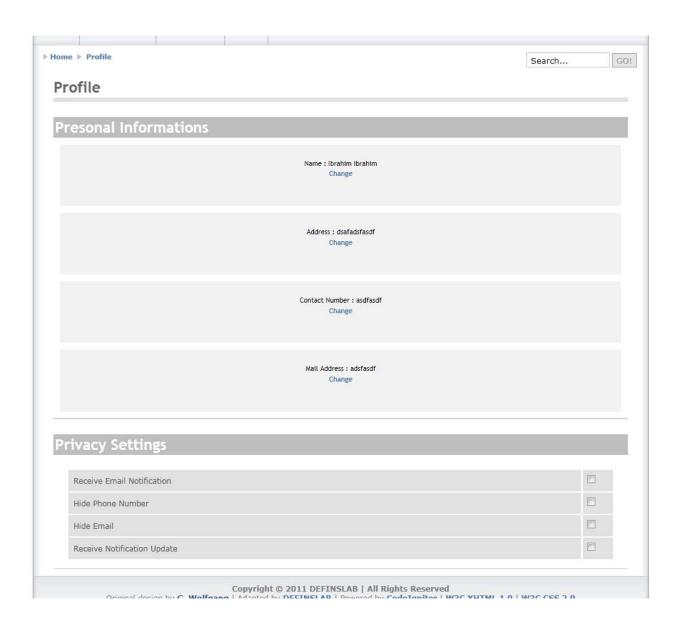
MEMBERS IN A COMMUNITY



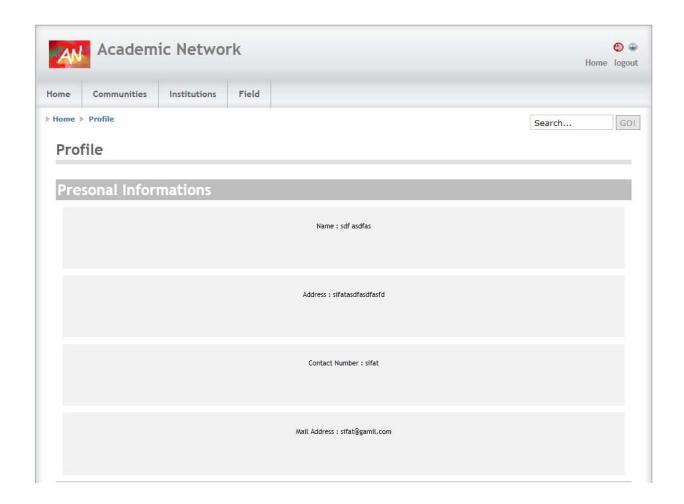
COMMUNITY NEWS



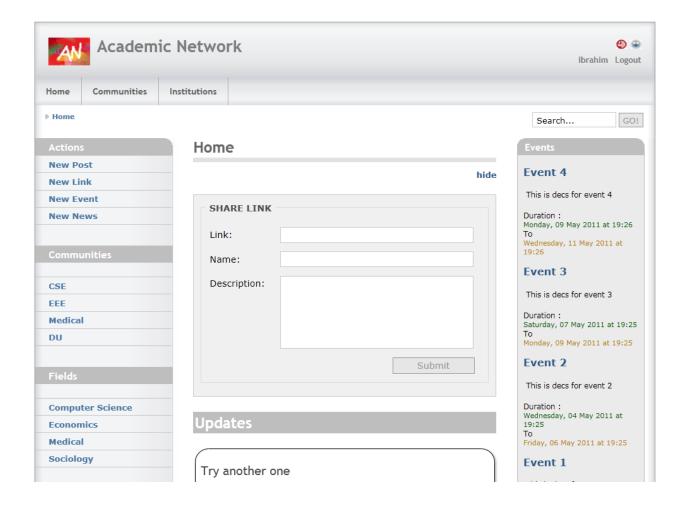
Modifying User Profile



USER PROFILE



SHARING LINKS



CONCLUSION

In short, the project, if launched successfully, can add pace to education system of any country. We wish to continue development of the project and, have already made it open source. Future implementations will include open ID service, authentication & data service by REST API for third party application developers.