

A NOVEL PARADIGM ON SOCIAL NETWORKING OF PROFESSIONAL BODIES

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Abstract:

Social Networking Sites (SNS) like MySpace, Facebook, and Orkut are ubiquitous and today's youth are spending a great deal of time using these sites to access public life. The major problem in the research paradigm, resource sharing is of special relevance in the research field not only for knowledge and intellect sharing but also for the convergence of the various scientific frontiers, as the various interdisciplinary fields grows in number the need of scientific convergence increases. In this paper we proposed a social networking platform for the scientist, researchers and students of various scientific fields where resource sharing will be a major issue. This paper schematizes the role of social networking among scientific frontiers including all of its stated challenges and opportunities to fulfillment of them.

Keywords: *Social Networking, Professional Networking, Resource Sharing, Security*

1. INTRODUCTION:

The major use of any network is information sharing, social networking as the name suggests is the network with minimal bifurcation and anyone and everyone can join and take benefits of the social networking sites

[1, 2]. This has inherent advantages and disadvantages, advantage being the transparency and proliferation and the disadvantage being security and privacy issues, because of all these issues professional networks have got advantages over social networks like the security advantages a professional network can be conceived as a social network with restrictions and bifurcations.

Professional networks on the other hand are the networks where a particular fraternity or people of common interests, portals and resource sharing sites like the IBM and IEEE member's site falls under this head, a big issue concerning the users of these networks is the presence of unwanted users and hackers, security is a major threat in the social networks especially because in the professional networks information leak can wreck havoc to epic proportions and the economic cost of such a leak can go up to billions [3, 4]. The purpose of this work is to create a social networking site for researchers with the best of both the social networking and professional world.

2. DOMAIN SPECIFICATIONS:

With the advent of social networking sites people realized the value of connectivity and

now its time to extend the domain of social networking sites to the professional domain and major step towards this will be to create a website which connects the various players of the research world like the researchers, science students pursuing research in various fields, commercial organizations having some economic interests in the research world [5].

Interdisciplinary fields especially requires the knowledge sharing , intellectual sharing , the research field has seen this void from a long time now and its time to fill the void with some innovative methods like a social networking site which attains a tradeoff between the pros and cons of social networking as well as professional networks [6].

3. PROPOSED SYSTEM:

We propose a social networking site where the researchers and research related people can share their resources swiftly over the internet on a common platform , all the research organizations like CSI, IEEE, will be connected and their data will be conglomerated to create a collection of scientific literature from across all branches of science. This central database will be controlled by a private firm, this database will have literature bifurcated into various scientific fields which can be accessed by researchers , students or any interested party for scholarly or commercial use all that is required to access the data is the user id and password which will be a primary tool of authentication , when a user searches for a data item then there will be a mapping mechanism which will like any search engine yield all the related data items, also a list of all the researchers working on the same or related scientific fields will be enlisted, to extend the commercial viability of the system the research material will be bifurcated into paid and free and depending on the access of the

data the researcher who owns the intellectual material will be paid.

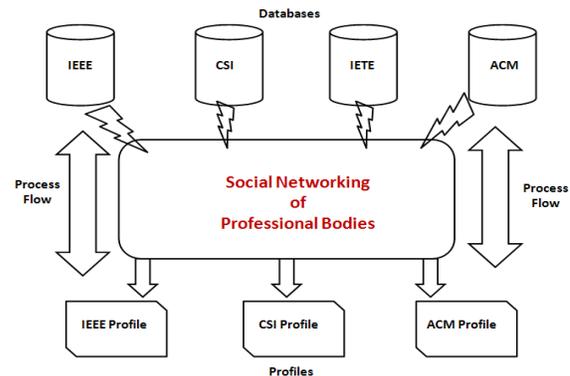


Figure 1: Proposed System for Social Networking of Professional Bodies

4. ARCHITECTURE OF PROPOSED SYSTEM:

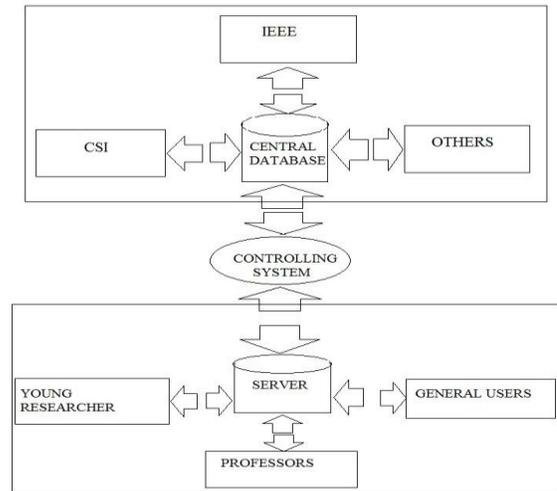


Figure 2: Proposed Architecture of Social Networking of Professional Bodies for Young Researchers of India

5. SCOPE OF ARCHITECTURE:

Scope of this architecture is neither by geography nor by profession. Any person, organization, institution having commercial or scholarly interest in the research literature can access the data and be a beneficiary of the system. The only prerequisite to access the data is the membership which provides a user id and password for the authentication.

6. FUTURE WORK:

Online training session: with the constraint of geography online training and examinations can be affective tools to spread the light of knowledge, people working in organizations will benefit from this facility as they are not able to attend conventional colleges and other scholarly interest.

Technical debates: Intellect sharing is invaluable in today's world of scientific cognizance; research from across the globe can get a common platform for discussing and debating technical issues. People of all countries and genre can participate in such events.

Video conferencing and virtual presence: By video conferencing and virtual reality tools the globe will become a small, well knit family with common goals and aspirations.

7. CONCLUSION:

If this system is implemented in the original form and spirit then it will prove to be a revolutionary tool and bring a wave of change in the research community, information and data sharing will be very easy and interdisciplinary fields will become banal. The special feature of this system will be that it will accommodate the best features of both the social networks as well as the professional, comparatively restricted networks. Resource sharing of the professional networks will be incorporated and the proliferation potential of the social network will be incorporated. Researchers, research scholars and companies with an economic interest may become like one big factor which will facilitate the proliferation and divergence to the technocrats with science and mankind. The system will be the ultimate platform of highest virtue with all major issues related to professional and social medium.

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