

# A Survey on Social Network Applications

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**Abstract-** Social network is an enthusiastic website or other application which allows users to connect with each other by stationing information, videos, comments, messages, images, etc. Popular social networking sites are Facebook, MySpace, twitter, Instagram, Google plus, ibibo, orkut etc...In this paper, some of the above mentioned social networks are discussed along with their advantages and disadvantages.

individuals over the Internet, such as forums, debate groups, qualified associations or other places where individuals could interchange ideas. Internet technologies grew together with social software. In this development, the social networks as we know them were produced; individuals started to have a profile, and in turn evoked sharing content in a more vigorous way in the Internet societies. According to the description that it was provided at the launch, the first social network site was started in 1997, namely SixDegrees.com [1].

## 1. INTRODUCTION

The description of social network sites depend on [1] firstly is a web-based service that permits personages to build a public or semi-public sketch within the system, secondly it accomplish a list of other users with whom they divide a connection, and thirdly is likely to outlook and negotiate their list of connections. A social network provides a variety of methodologies for users to divide data with other users. Also, it has the skill to hunt for users with alike benefits and to launch and uphold communication between the users [2]. Online social networks have become very widespread during in these past little years. For example, Facebook had more than 150 million users in February 2009[3].

### 1.1 Types of social networks

The social network can be classified into seven major categories [4]. They are

- Multimedia Sharing
- Social Connections
- Informational
- Hobbies
- Academic
- Professional
- Educational

#### 1.1.1 Multimedia Sharing

It is easy to share video and photography content online using Social networking. Here are particular of the utmost popular sites for multimedia sharing.

- YouTube: It lets users to view and share video files
- Flickr: This delivers an influential option for handling digital photographs online, as well as for sharing them with others.
- Picasa: Parallel to Flickr, Picasa offers a way to establish and share photos. It is a part of Google and so provides combined tagging and sharing with Google+.

#### 1.1.2 Social Connections

The greatest benefit of social networking is keeping in touch with friends and family members. The most widely-

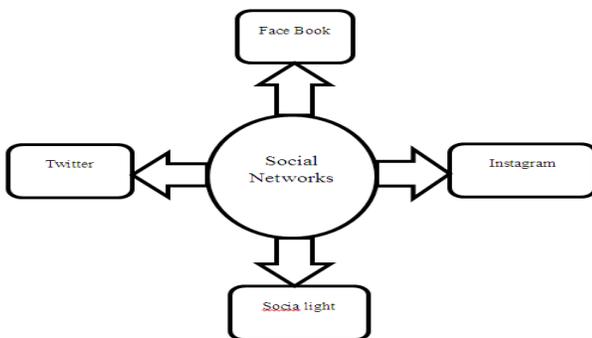


Fig.1 Social Network Applications

The social networks heritages lie in the initial 1990's when they were modest means of communication between

used websites for building social connections online are given as a list as follows.

- Facebook: Disputably the greatest prevalent social media site, Facebook offers a way for users to build contacts and share info with people and organizations they select to intermingle with online.
- Twitter: Share your point of view and keep up with others via this real-time info network.
- Google +: This comparatively new contestant to the social connection marketplace is designed to consent users to build circles of contacts that they are capable to interact with and that is joined with other Google products
- MySpace: However it initially initiated as a general social media site, MySpace has grown to concentrate on social entertainment, providing a place for social connections related to entertainment, music games and more.

### 1.1.3 Informational

Informational societies are consists of people looking for answers to daily problems. For example, when you are thinking about starting a web development project or want to learn how to make a website, you may make a web search and realize uncountable blogs, websites, and forums occupied with people who are viewing for the identical kind of information. A few examples include:

- Super Green Me: Online community where persons interested in implementing green living practices can interact
- HGTV Discussion Forums: Join with individuals interested in home-based design development through the HGTV message boards
- Do-It-Yourself Community: Social media supply to allow do-it-yourself fanatics to interact with each other

### 1.1.4 Hobbies

Internet is mostly used to conduct research on their preferred missions or subjects of interest related to individual hobbies. When people discover a website based on their preferred hobby, they discover a whole communal of people from around the world who stake the same desire for those interests. A few samples of hobby-focused social networking sites are given as:

- Oh My Bloom: Social media site precisely for gardening fanatics. It features groups, forums, images, video content blogs and more.

- My Place at Scrapbook.com: Designed explicitly for scrapbooking fanatics, users can create profiles, stake info, post updates and more.
- Sport Shouting: An online end for sports enthusiasts to voice their opinions and connect with other fans.

### 1.1.5 Academic

Academic investigators who need to share their examination and review outcomes attained by colleagues may find academic-specific social networking to be quite useful. A small number of the finest standard online groups for academics are:

- Academia.edu: Users of this academic social network can segment their own research, as well as trail research acquiesced by others.
- Connotea Collaborative Research: Online resource for experts, scientists and medical practitioners to find, establish and share valuable information.

### 1.1.6 Educational

Educational networks are where numerous students go to work together with other students on academic projects, to perform research for school, or to intermingle with professors and teachers through blogs and classroom forums. Educational social networks are becoming tremendously common within the educational system nowadays. Selected examples of such educational social networks are listed as follows.

- The Student Room: The student communal featuring a qualified message board and useful possessions related to school which is UK-based
- The Math Forum: A huge educational network planned to join students with a curiosity in math, this site delivers collaboration chances for students by age set.
- ePALS School Blog: This international social network for K-12 students is planned to construct international acquaintances to encourage world peace.

### 1.1.7 Professional

Professional social networks are planned to offer openings for career-related progress. Specific of these types of networks afford a general forum for specialists to join, while others are concentrated on exact professions or

welfares. A little example of professional social networks is listed below.

- LinkedIn: As of November of 2011, LinkedIn had more than 135 million members, making it the biggest online professional network. Applicants have an opportunity to construct relationships by making connections and linking relevant groups.
- Classroom 2.0: Social network explicitly planned to help teachers link, share and help each other with job-specific matters.
- Nurse Connect: Online community designed to help persons in the nursing job connect and connect with each other.

## **2. ANALYSIS OF SOCIAL NETWORKING APPLICATIONS**

### **2.1 Facebook**

Facebook is a company and online social networking service founded by Mark Zuckerberg on February 4, 2004. Facebook is a social networking amenity. It is an affluent site for examiners involved in the tasks and services of social networks, as it comprises diverse usage patterns and technical capacities that bond online and offline links [5]. In addition, earlier studies have recommended that FB handlers incline to hunt for people with whom they have an offline link rather than cruising for complete aliens to meet [6], and they are typically attentive in what their friends are thinking about. The existing mobile Facebook application provisions most of the original services and tasks provided by the Facebook social website. The mobile version also offers an open platform with APIs, which can be used by third party providers to make applications that enhance more functionality to the unique mobile Facebook application, hence allowing users to adore a richer experience. For example, there are numerous new mobile Facebook applications that deliver location-aware services by permitting users to inform their geographic status, surf the current locations of their Facebook friends, and order the friends by their distances from the users' present locations.

### **2.2 Twitter**

Twitter is an online social networking service that aids users to send and recite short 140-character messages called "tweets". Enrolled users can read and stake tweets, but those who are not enrolled can only read them. Users access Twitter through the web interface, SMS or mobile device app. Twitter Inc. is founded in San Francisco and has more than 25 offices around the Universe. Twitter was

created in March 2006 by Noah Glass, Evan Williams, Biz Stone, and Jack Dorsey and flung in July 2006. Contrasting to most social networks, Twitter focuses on micro-blogging facilities, and many extensions occur to care tweeting photographs and texts lengthier than 140 words. Every Twitter user can track others or can be tracked without exchange, and acquire the "what are you thinking or doing" info of other Twitter users in real time [7]. In common, FB supports users to intermingle with friends and family in the real world, while Twitter supports users to connect with people interested in parallel things. Analogous to Facebook, Twitter also offers an associated mobile application and related APIs to application programmers, which allow them to grow new tasks and services for Twitter. Though, ever since Twitter is envisioned for micro-blogging of real-time newscast, it qualifies mobile phone users to keep informed new messages to the Twitter not only via the mobile Twitter application, but also by short messaging service (SMS). Besides, many of the micro-blogging systems that afford APIs are also well-suited with Twitter. This means that if developers have developed a new mobile application on other micro-blogging system like StatusNet, they can also effortlessly and competently transfer the application to Twitter.

### **2.3 Socialight**

Socialight web is <http://socialight.com/>. It is a model of a mobile social network that is created mainly on the idea of existence alertness. It has three main features: friend detector, knock and prickle, and gluey shadow. Friend detector is a following feature in which the Socialight server trails the user's current position and the position of other users within their social network. One of the main functionalities is to let the users recognize when they are close to a friend. Knock and prickle is a Socialight feature that agrees the user to connect gesturally with other user by supervising the distance of the cell phone vibration. Guley Shadow is locality-based messages that are left in a topographical place for definite friends. These messages die after some time and are only presented in that area. When the anticipated receiver arrives the zone of the message it seems in his cell phone [8].

### **2.4 Instagram**

Instagram was founded by Mike Krieger and, and Kevin Systrom propelled in Oct.2010 as a free mobile application. The facility quickly gained fame, with over 100 million vigorous users as of Apr.2012 and over 300 million

as of Dec.2014. Instagram is spread through the Apple App Store and Google PlayStore [9]. Provision for the app is available for iPad, iPhone, iPod Touch, and Android devices, while third-party Instagram applications are available for BlackBerry version 10 and Nokia (Symbian) Devices. It is an online mobile image-sharing, video-sharing, and social networking site that permits its customers to take images and videos, and share them both publicly or privately on the application, as well as via a diversity of other social networking platforms, such as FB, Twitter, Tumblr, and Flickr. Formerly, a distinguishing feature was that it restricted images to a four-sided shape, alike to Kodak Instamatic and Polaroid photos, in difference to the 4:3 aspect ratio classically used by mobile cameras. In Aug.2015, version 7.5 was out, letting users to post images seized in any aspect ratio. Customers can also put on digital filters to their photos. The extreme period for Instagram videos is 15 seconds.

### 3. CONCLUSION

The hasty development of mobile technology has produced a bulky number of mobile social networks in the past few years. There are a lot of benefits of using a mobile social network over having only social networks based on web. In this paper, we have analyzed the most popular social networking sites. Each has its own features and methodology. Facebook, twitter and Instagram can be used in mobile whereas sociallight can only be accessed through its corresponding website.

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