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# Applications of web 2.0 technologies

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*Abstract— The main purpose of this study is to evaluate and estimate about the applications/uses of web 2.0 technology trends in today's life. Web 2.0 provide a platform where we can share our information and interact to people online, using web 2.0 based websites such as social sites, podcasts, blogs etc. come again that what data is there for casual knowledge taking place inside Web 2.0 applications, furthermore if as a result, in what ways. Can Web 2.0 applications be intended to make possible casual knowledge? Now a day's web 2.0 is enormous troublesome More than just the latest technology exhortation, it's a transformative power that's propelling companies diagonally all industries in the direction of a new way of doing production. The researcher/scientists who take steps on the Web 2.0 technology have opportunity stand to increase a near the beginning advantage in their markets.*

**Index Terms—**application of web 2.0, Blogs, podcast, Social networking sites, web 2.0, Wikis.

## I. INTRODUCTION OF WEB 2.0

Web 2.0 also known as web 2 is the well-liked technology now days for highly developed internet technology and applications. It is the popular name for advanced internet technology and applications. The whole credit goes to Tim O'Reilly who knows for inventing the concept web 2.0. In 2004 conducted a conference dealing by means of after that generation web concepts and issues held by o'really media and Media Live International. Web 2.0 reflects advancement in that way the critics of this technology that it makes it too simple for the standard users to have an effect on online content and this give a result for the credibility that is it should be made for end users alone [1]. The concept of web 2.0 technology that data was posted on websites and users basically access or downloaded the content. More and more users have additional contribution addicted to the environment and range of web content as well as in a number of cases make use of genuine time have power over it. For example, multiple-vendor online book outlets such as BookFinder4U make it achievable for users to upload book reviews as well as discover rare and out-of-print books at a lowest amount charge, and dynamic encyclopedias such as Wikipedia permit users to create and edit the content of a worldwide information database in multiple languages. Internet forums have turn out to be additional widespread and lead to the large number of blogging. The distribution of information evolved addicted to RSS.

The term web 2.0 gives description about the websites that uses the dynamic pages technology of earlier websites. Web 2.0 coined in 1999 by Darcy DiNucci and in latter popularized by Tim O'reilly in 2004. Web 2.0 suggest a new version of world wide web it does not present toward an revise to any technical specification, except to a certain extent to increasing changes within the way web pages are prepared as well as used [2].

Web 2.0 sites may allocate users to work together and pool resources with each other in a social media conversation as creators of user generated content. The development of web 2.0 is due to the deficient in of active interaction of common users. At this time yet a non-technical user can enthusiastically interrelate and contribute to the web by means of special blog platforms. The Web 2.0 otherwise the read-write web where user create and upload their data has the capability to contribute content and interact by mode of other web users. This interaction and contribution has significantly changed the background of the web. It has still more potential that we have until now to see. The Web 2.0 appears to be a greet response to a web users require to be more concerned in what information is available to them [3].

This period of web 2.0 empowered the general user with a few new concepts like Blogs, Social-Media & Video-Streaming. Publishing your content is only a only some clicks away. A small number of significant developments of Web 2.0 are Twitter, You Tube, Flickr and Face Book etc. web 2.0 technologies is Enthusiastic educational commentators are casting the internet in a innovative brightness through the appearance of this [4].



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As discussed in [5] web 2.0 technology has a lot of applications for example social networking sites, blogs, wikis, podcasting, folksonomies & content hosting services etc. web 2.0 also have the majority of accepted websites such as face book, YouTube, Wikipedia, MySpace, & flickr etc.

## II. APPLICATIONS OF WEB 2.0

The new internet based communication apparatus for example Twitter, Skype and face book are better known applications of web 2.0 technology. The development toward networked applications is accelerating, despite the fact that Web 2.0 has to begin within bring into play hold in consumer-facing applications, the required infrastructure necessary to build these applications, and the level at which they are operating that is much as PCs took over from mainframes in a standard demonstration of Clayton Christensen's "innovator's dilemma" hypothesis, web applications can and will move into the enterprise space [6].

Web 2.0 technology can be demonstrated as that it's a way of thoughts, an innovative standpoint on the whole trade of software on or after concept through freedom, from marketing through maintains. Web 2.0 thrives on network belongings such as databases that get comfortable the more people interrelate with them. Web 2.0 applications which is easy to use and user access freely that's why the more people use them, marketing that is ambitious by user activities and experiences, and applications that interact with each other to appearance a broader computing display place [4],[6].

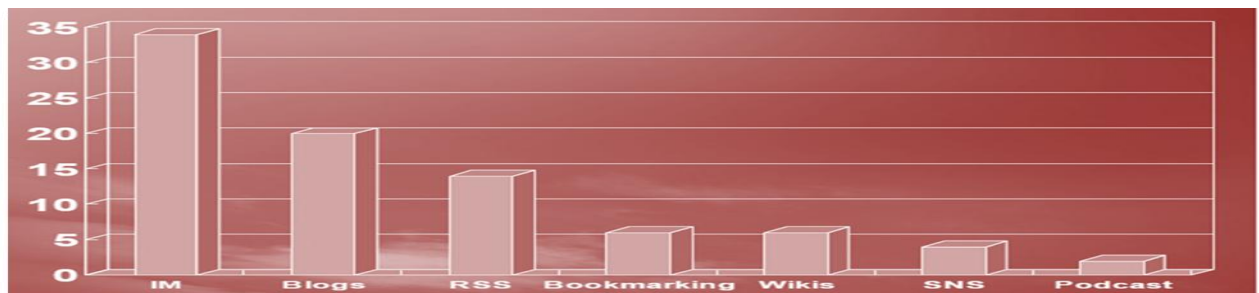


Fig 1: a graph for uses of web 2.0 applications

Media reporting of Web 2.0 concentrates on the ordinary applications or services such as wikis, blogs, video sharing sites, social networking sites and podcasting etc. Also web 2.0 technology is a more useful platform where user connects with other people through the connected Web in which user can contribute as much as they can consume [4]. As discussed in [5], [6], [1] There are a number of Web-based services and applications that make obvious the fundamentals of the Web 2.0 technology conception and they are previously being used to a convinced scope in education. This technology provides the services built using the construction blocks and unlock standards that strengthen the Internet and the Web. Web 2.0 applications include social sites, blogs, wikis, multimedia sharing services, podcasting and content tagging services and many more. Numerous of these applications of Web technology are comparatively grown-up, having been in make use of for a number of years. Even though in this technology a novel features and capabilities are organism added on a standard underpinning. It is importance point that several of these newer technologies are concatenations i.e. they make use of accessible services.

### Wikis:

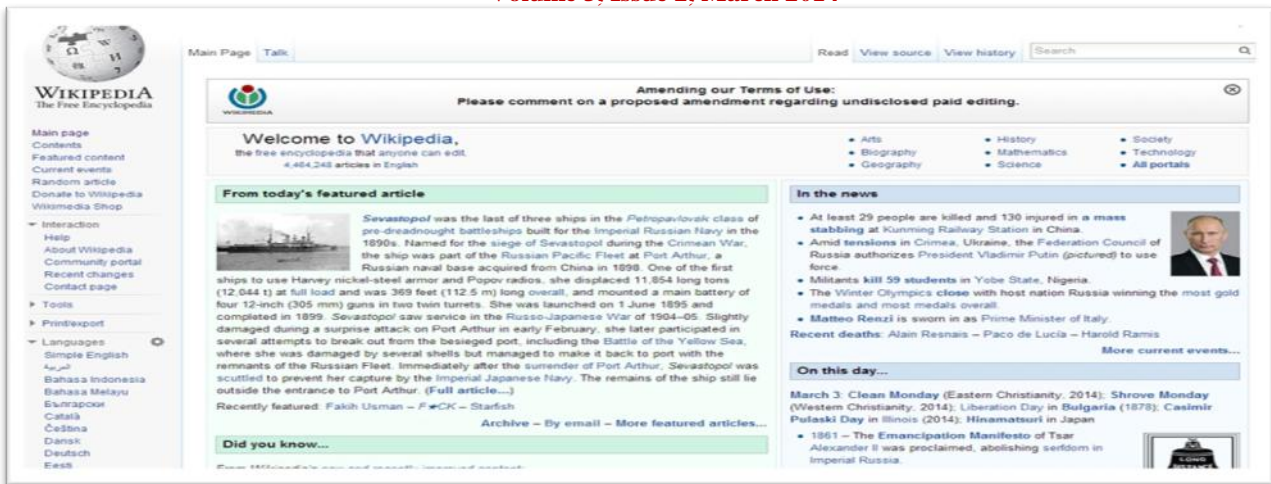
There are few well known websites of wikis such as Wikipedia, Internet encyclopedia. Wiki is a website where users inside the group of people can add/edit. It can be open to an international spectators and it is also used for specific topic and subject area. Through wikis searching information is easy; wikis include images, sound recording and films also. Why wikis more useful the reason behind this question is that wikis is a webpage/WebPages that can be effortlessly edited by anyone who is allowed access or who are group member of this. The success of Wikipedia's has intended that the idea of the wiki, as a mutual tool with the intention of giving facility to the manufacture of a group work, is extensively implicit. As a Wiki pages have an edit button displayed on the screen and the user know how to click on this to access and easy to use online editing tool to modify the contents of the wiki page in query. In wiki pages a simple hypertext-style for linking among pages is used to produce a navigable specify of pages [4], [5], [2].



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In general wikis are having a history function which allows preceding edition to be examined. Wikis have a rollback function, which restores previous versions of accessed data. The key power of the wikis cite that it is easy to use, their tremendous elasticity and open access as other many reasons why wikis are valuable for group functioning.

#### **Social networking sites:**

Social networking sites allow users to make a profile for themselves and share their profile with new users in the same platform. Users share their information it can be an open platform to all i.e. users profile can be viewed by anyone on that networking sites. In social networking sites users normally post comment, photos, message, music, videos etc. the well known social networking sites are Face book and My Space. As information provide in [7] that the Face Book is a comparatively usual social networking online upbringing.



An individual's Face book page includes a description of photograph, a Status tag where the user be able to create documentation of their up to date activity, frame of mind or opinion, a record of Friends and local Networks with which the user is associated, personal get in touch with details including postal address and mobile phone numbers, as well as a Mini-Feed of current Face book activity which is shared with other users. For the most part of Face Book used features of lots of users' Face book page is the Face book wall, basically asynchronous chat ability owned by everyone user. At this juncture users can exchange short text messages with their selected friends with wall-to-wall interactions then able to be seen to all other users who belong to the same network. Along with these actions, users can too substitute virtual contributions among each other, use plug-in applications and join user created groups on particular themes or topics[2][5][10].





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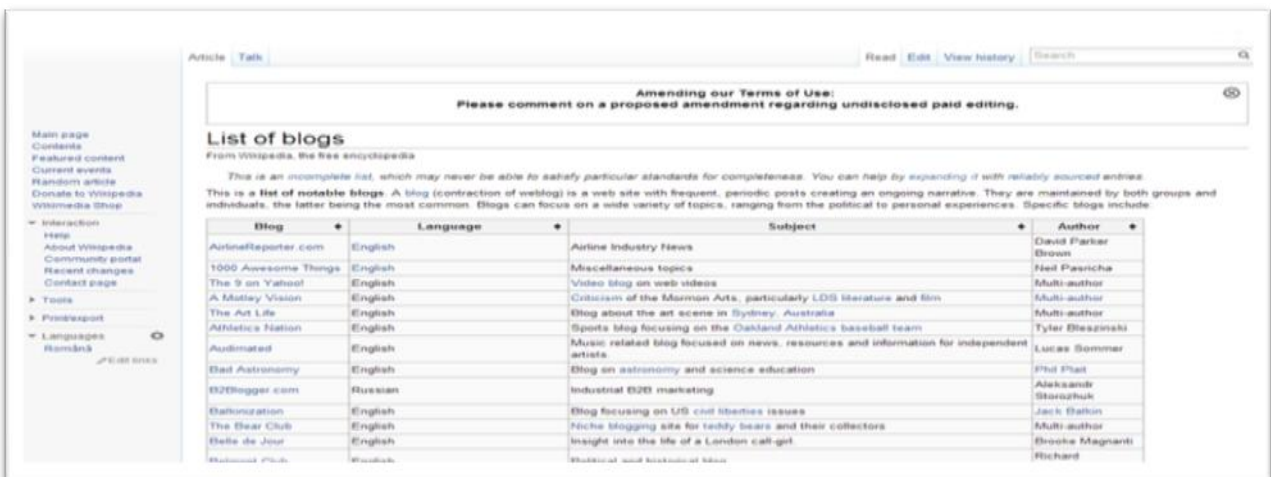
**YouTube/Flickr (Content hosting services)**

These sites allow users to upload their content that may form for others for observation. Content hosting sites provide facility to users that they can also create an individual profile and make a directory for their favorite photos/videos, and make it accessible to others for providing a URL link. It is also known as multimedia sharing; one of the major enlargement areas has been surrounded by services that make possible the storage space and sharing of multimedia content. Well known examples include YouTube for video and Flickr for photographs and Audio in podcasts. These well-liked services acquire the idea of the read write web where users are not just clients but also contribute dynamically to the production of Web content and enable it on a huge scale. Now days a millions of users now participated in the sharing and substitute of these forms of media by producing their own of podcasts, videos and photos. In this field this development has simply been made possible through the widespread adoption of elevated excellence. One of the key features of this application that relatively low cost digital media technology such as hand detained video cameras [2], [4], [9].



**Blogs**

Web 2.0 technology have another important application known as blog or weblog, it is a authoritative two way web based tool. A blog is a website where library users can enter their opinion, thoughts, suggestions, and remarks. Using blog any library user can put out a blog post effortlessly and inexpensively through a web interface, create “What’s New” for users, marketing of Information, user conversation about the services and resources, Post the meetings/conferences output, and Place the conversation forum, and any person who reads can place a statement on a blog post [8]. One of the important aspect of blogging is linking, linking is depends on the conversational environment of the blogosphere. Furthermore it helps to make easy retrieval and referencing of information on dissimilar blogs, other than a number of blogs these are not without inherent problems.





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The name blog or web blog was found by Jorn Barger in 1997 furthermore refers to a easy webpage consisting of short paragraphs of opinion, data information, personal profile, in terms of blog called posts. This information prearranged with respect to chronology with the good number topical earliest. For the most part of the blogs also permit visitors to put in a comment underneath a blog entry [4], [11].

### Podcasting

A podcast is made by creating an MP3 format audio file by using a voice recorder or any other recording device. Podcasting is use for making audio or video files existing on the internet that can either be listened to or viewed on a personal computer it also be downloaded to hand-held (Palmtop) devices available now days such as an iPod, mp3 player. A podcast will be treated as a sound recording or a video podcasts, also known as vodcasts. It may also consist of images, including PowerPoint presentations. In podcast if there is a script/lecture notes for the podcast, that will be protected as a mythical work. There is a facility provide by podcast which is multiple layers of copyright it depends on the content of the podcast. In podcast each one of these services will have copyright implications that require to be managed. The copyright issues will differ depending on the category of content that can be created or contributed and also it tells that how users of the site will interact with the substance on the use site. Podcast may also be considering other legal issues, such as privacy and denigration [15], [6], [12].



## II. CONCLUSION

This study has covered a few information of related to web 2.0. In this paper we try to explain some applications of web 2.0 technology which is accessible now days and useful for peoples. Regarding web 2.0 technology if we make a study about web 2.0 technologies in recent years/months then we found that there has been a sudden increase of new thoughts, applications and also introduce companies working on ways to make bigger accessible services. There are some services of these which are possible to develop into more significant than others and a few are definitely more likely to be more relevant to education than others. There is in web 2.0 such an inundation of innovative services that it is time and again complicated to keep way of what's out there or to make sense of what each provides.

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