Role of Social Media in Enhancing Education and Communication in India: Benefits and Challenges

Abstract

Social media are interactive media platforms that facilitate the creation and sharing of material via online networks and communities. This content might include ideas, information, expressions of many types, and hobbies. Platforms of social media such as social networks, blogs, microblogs, wikis, social bookmarking, media sharing, and RSS are available to help people get information around the globe. India is the world's most populated country, with 1.42 billion people as of right now with its economy increasing at one of the quickest rates on the entire world. Indians use social media for 2.36 hours a day on average, and in 2023 there will be 467 million more social media users in the nation thanks to common internet access. It is truly remarkable to learn that 692 million Indians use the internet nowadays, and social media has emerged as a major factor in Indians' everyday internet usage. The popular social media platforms YouTube, Facebook, Twitter, and LinkedIn are used in the educational sector. These days, social media plays a big role in the lives of all students. Students can also take advantage of a wide range of courses that are provided by educational institutions all around the world to increase their knowledge and skills. Students can use social media platforms to learn on their own as well. Social media poses a multitude of challenges and drawbacks, such as the possibility of addiction and distraction for educators and learners alike. Access to the internet, gadgets, and digital literacy are necessary for using social media. However, not all Indian students and teachers have not equal access to these resources. Additionally, it leads to moral conundrums like privacy, plagiarism, or bias problems.

Keywords: *Social Media, Education, Communication, Interaction, Knowledge.*

Introduction:

The Indian government is eager to implement several digital reforms that might provide a significant impetus for the eLearning sector to expand. According to the Ministry of Electronics and Information Technology (MeitY) website, one of the most important instruments for delivering education is e-learning. In reality, the government has been providing financial support for research and development initiatives related to e-learning to various educational institutions. The government provides financial support for the programmes in the following areas: faculty training, R&D/technology development projects,

content creation, and human resource development initiatives. In our everyday lives, social media is increasingly serving as a medium for social interaction (Alsaadat 2018). Social media uses technology to facilitate human connections. Put differently, social media serve as a platform for interpersonal communication (Ellison &Vitak, 2015). The creation and maintenance of young people's friendships and the creation of networks for professional advancement are the two most obvious uses of social media (Kommers, P.). Social media has a role in education to increase accessibility and convenience. Systems that enable virtual and para-social presence have made social media rapidly emerge (Oliveira et al., 2022). The term "virtual presence" describes interactions between individuals that take place via digital mediums rather than physical interactions, like video conferences and—more recently—platforms like Facebook and Twitter. According to A. E. Marwick (2015), the phenomenon known as the para-social presence occurs when a specific individual or group "penetrates" a medium as if there were no distance or asynchrony, giving those who access their information a sense of personal involvement, understanding, attachment, and subsequent interaction. In this sense, even though its ultimate shape is unknown, Web 2.0 offers a platform for novel social phenomena including social clustering, cloud computing, and a "networked society" (Castells, 2000). According to Kupuswamy and Narayan (2010), social media facilitates communication between educational groups of individuals, provides relevant information, and aids in understanding different educational systems for parents, teachers, and students. The Covid-19 pandemic caused a significant alteration to the global educational system. Physical schools had to close due to lockdown regulations, therefore online learning became the new norm (Mathivanan et al., 2021). Online learning cannot completely replace the traditional educational system, even though it has helped to sustain education during difficult times (Shrivastava, A., &Ambia, G. 2023). Social networking is transforming the educational landscape in India. Because of social media platforms, access to, and usage of education have been completely transformed in light of the proliferation of smartphones and digital connectivity (Ansari, J. A. N., & Khan, N. A. 2020).

What is Social Media?

According to Wong et al. (2021), social media refers to interactive media technologies that enable the exchange of ideas, information, and other kinds of expression via virtual networks and communication. The word "social media" is used to refer to a wide range of technical platforms that support community and collaboration (Joosten, 2012). Examples of social media include blogs, wikis, social networking sites, virtual gaming worlds, multi-

media platforms, and virtual social worlds. These applications are frequently featured in contemporary depictions of social media (Barnes and Lescault, 2011). Social media has the capacity to be an effective teaching tool.It can assist educators, parents, and students in obtaining more relevant information, establishing connections with different educational systems and learning groups, and enhancing instructional strategies (Lei et al., 2021). Social media can be used to exchange ideas with experts, broaden one's perspective on many topics, and gather information (Mohaur 2023). Additionally, social media can offer a more direct and seamless means of connection for parents, instructors, and students. Furthermore, social media makes e-learning more feasible and helps prepare students for online courses and distant jobs (Mukhametgaliyeva, Gura, Dudnik &Khudarova 2022).

Social Media Platforms:

Social Networks

   A social network is an online community where members share news, images, videos, and events to unite others with similar viewpoints, hobbies, and life experiences. A user's representation (often a profile), his social connections, and a range of supplementary services make up a social network (Faizi, El Afia & Chiheb 2013). Additionally, some online communities offer e-mail and instant messaging as ways for people to communicate with one another online. Facebook, LinkedIn, Myspace, and WhatsApp are a few of the most widely used social media platforms (Sivakumar 2020).

Blogs

   Blogs are online journals or logs where users can share their writing, ideas, and opinions for others to read. A blog is often written by one person on a certain subject and is updated frequently, with items shown in reverse chronological order. They can be hosted on a blogging network like Tumblr, WordPress, or Blogger, or they can be self-hosted (Faizi, El Afia & Chiheb 2013).

Micro-blogs

   As its name implies, micro-blogs serve a similar purpose to regular blogs, but with a considerably greater emphasis on brevity. Users can compose brief text messages on a microblogging website and send them instantly to their contacts (Li & Rao 2010). Thus, microblogging can be thought of as a hybrid of social networking and blogging. Twitter is the most well-known microblogging platform currently available in India.

Wikis

Websites known as wikis are created cooperatively by a user community. Any user can add, edit, update, and publish content for public viewing. Wikipedia is the biggest and most well-known wiki. It is an online encyclopaedia that is maintained by users and has millions of articles in more than 200 languages. Wikipedia articles are regarded as "living content" once they are published since users are always free to make changes to them (Shafee et al. 2017).

Social Bookmarking

Collaborative tagging systems, often known as social bookmarking websites, allow users to tag their preferred links and share the results with other users. Bookmarks are often arranged according to topic and can be privately saved, shared with certain individuals or groups, or made public. Websites that provide bookmarking services include Reddit, Facebook, Instagram, Google Bookmarks, and Stumble Upon (Milicevic et al. 2010).

Media sharing

Users can post and share multimedia content (pictures, videos, and audio) over the internet by using media sharing websites. Individuals can see the files that other people have contributed, annotate them with tags, and leave comments to express their opinions. These social networking tools include, but are not limited to, YouTube, Flickr, iTunes, and Shutterfly.

RSS (Really Simple Syndication)

A typical feature of social networking websites is RSS. Websites and blogs can share their dynamic and updated material with various people as feeds thanks to RSS. As a result, rather than routinely accessing a particular website, the user can sign up for free to as many information feeds as they like, access and manage those feeds simultaneously, and do so by using an RSS reader such as Goggle Reader (Nalam 2015 and Saha et al. 2010).

All social media sites may all be divided into three main groups. Social networking sites like Facebook, Myspace, and Twitter fall under the first category since they function as online communities where people may interact with friends, coworkers, and other users while exchanging resources and ideas. Sites for sharing and organising content, such as Delicious, Digg, Flickr, YouTube, and RSS readers, make up the second group. Websites for creating and updating material, like WordPress, Google Docs, Blogger, and Wikipedia, make up the third group. But frequently, a social media network's features and capabilities can overlap, making a tool suitable for multiple categories.

Internet and social media users in India:

India currently holds the title of most populous nation in the world, with a population of 1.42 billion and expanding, and one of the fastest growing economies globally. Put another way, it's a goldmine for social media marketers, who are constantly searching for fresh approaches to connect with customers of all shapes and sizes.

Social media has captured the Indian populace much like a duck to water. Indians use social media for 2.36 hours a day on average. Due to a high prevalence of internet connectivity among people in the country, 467 million Indians used social media in 2023, a consistently rising amount. With 692 million people using the internet every day in India, social media has emerged as one of the most important aspects of the country's internet usage.

List 1- Internet and social media usage in India

Total population of India	1.42 Billion
Numbers of internet users	0.692 Billion
Active social media users in India	0.467 Billion
Average daily time spent using internet	6 Hour 23 Minutes
Avg. daily time spent using internet on mobile devices	3 Hour 55 Minutes
Average daily time spent using social Media	2 Hours 50 Minutes

(Source: www.theglobalstatistics.com)

The fast rise in smartphone usage in India is a result of declining smartphone costs. Another reason for the widespread increase in the use of social media is the readily available, extremely affordable superfast internet. 627 million people are using mobile internet as of 2023.The increased availability of fast internet connectivity has led to a rise in the usage of YouTube and WhatsApp. One of the reasons it has surpassed all other competitors and carved out a distinct niche is that they consistently provide their clients with a distinctive user experience. Six hours and twenty-three minutes a day are typically spent online, with two hours and fifty minutes of the time being spent on social media.

General Social Media platforms used in education:

In order to promote communication, teamwork, and learning, the educational sector often employs a number of social media platforms.

Facebook

Facebook was first launched in February 2004 as an online social networking site exclusive to Harvard University. However, in 2006, the site was made public (Sheldon, 2008a; Urista, Dong, & Day, 2009). In essence, Facebook is an online social network where users may connect with friends, exchange photos, and share personal information (Buckman, 2005). Facebook has had a significant impact on how students communicate and engage with one another. It provides a diverse platform that goes beyond social media to include educational opportunities and community-building projects. Students can join communities catered to their academic interests through Facebook groups and pages, where they can share materials, engage in idea-sharing, and look to peers and teachers for help (Cohen 2020).Furthermore, Facebook makes it easy for students to communicate and collaborate on group assignments, overcoming geographical barriers to productive group work. In addition to academic endeavours, Facebook facilitates a sense of community and connectedness among students by acting as a central location for extracurricular activities, event coordination, and campus announcements. Additionally, the platform provides a wealth of instructional material in the form of articles, videos, and live broadcasts, enabling students to augment their study and remain current on pertinent subjects. But it's important to be aware of the possible drawbacks of overusing social media, such information overload and distraction, and to motivate kids to develop a responsible attitude towards their online contacts. Overall, Facebook has become an integral part of the student experience, empowering individuals to connect, collaborate, and learn in ways that transcend traditional boundaries.

Twitter

Nowadays, a lot of people utilise online social networks to connect, discuss, and exchange material. For millions of users, many of these networks act as their de facto Internet portal. Due to these sites' enormous popularity, data about their users and their communications provide previously unheard-of chances to study how human society operates on a large scale. Service providers are frequently compelled to maintain the privacy of this data due to consumer privacy concerns. Twitter is an anomaly. Researchers can access the majority of Twitter because over 91% of users opt to make their profile and communication history publicly viewable (Mislove et al., 2011). One of the most widely used and watched social media sites is Twitter. Twitter is a dynamic medium that fosters real-time communication, collaboration, and knowledge-sharing, all of which have a major impact on student engagement and learning (Lan et al., 2023). Students may stay up to date on current events, trends, and academic discussions with Twitter thanks to its compact nature, which

encourages concise expression and rapid information distribution. Students can investigate other viewpoints, make connections with like-minded people, and take part in international discussions about their areas of interest by using hashtags and trending themes. Students can connect with academics, business experts, and possible mentors on Twitter, which is a great tool for networking and professional growth.Additionally, through tweet threads, Twitter conversations, and shared resources, Twitter promotes peer-to-peer learning, allowing students to share ideas, ask for guidance, and encourage one another's academic endeavors (Lemon 2014). To ensure correctness and dependability, students must critically assess material provided on Twitter and take into account a variety of sources. In general, Twitter encourages curiosity, teamwork, and lifelong learning in the digital age by enabling students to interact with the world outside of their classrooms.

LinkedIn

Founded in 2003, LinkedIn is a social media network with an emphasis on business and jobs (Acht 2020). LinkedIn users are encouraged to enhance their search engine optimisation and increase visibility for their personal brands on the platform and the Internet (Prodromou2015). By participating in professional organisations and enhancing their accounts with professional images or videos, professionals can improve their online presence on LinkedIn. With its ability to connect professionals and mentors, help with professional branding through profile optimisation, facilitate job and internship searches, provide insights into industry trends and developments, support professional development through resources like webinars and online courses, help students cultivate a professional online identity, and function as a valuable research tool for learning about various industries, companies, and career paths, LinkedIn has a significant impact on students. Students can enhance their academic and professional experiences by connecting with relevant persons, exploring career prospects, and developing the skills necessary for success in their chosen industries by using LinkedIn efficiently (Davis et al., 2020).

YouTube

A specific platform for sharing videos is YouTube. Users can post and share videos with it. Institutions are able to post lectures and videos online (Jaffar 2012). Students can find a wide range of instructional resources on YouTube that cover a wide range of topics and disciplines. YouTube offers a wealth of educational content that can be used in addition to conventional teaching approaches, ranging from theoretical lectures to hands-on tutorials (Olasina 2017). For example, lectures from distinguished academics and specialists in subjects like science, math, literature, and history are available to students, offering further

viewpoints and insights beyond what might be taught in the classroom.Additionally, YouTube provides hands-on instruction in a variety of subjects, from computer languages to creative pursuits like music production or sketching, enabling learners to advance their knowledge at their own speed (Rahmaturrizki&Sukmayadi 2021). Students have access to a global network of learners and educators through YouTube, which goes beyond traditional schooling. Through comments, debates, and live streaming, educational channels and creators frequently encourage participation. This result in interactive learning settings where students may ask questions, exchange ideas, and work with peers from around the globe. This sense of belonging can be especially helpful for students who are looking for inspiration, advice, or support outside of the classroom.YouTube also gives students a platform for professional development and creative expression by letting them display their skills, projects, and portfolios. Students have the ability to produce and share videos that showcase their abilities, projects, or research results, which may catch the interest of employers, mentors, or partners. For those who want to work in creative industries like filmmaking, graphic design, or content creation, where having a strong online presence and portfolio can greatly influence job chances, this can be very helpful.

Blogs

In the current digital era, blogs have become an effective means of improving the quality of education and giving students the freedom to experiment, participate, and succeed in their educational endeavours (Alam & McLoughlin 2010). Blogs give people a place to express their ideas, opinions, and knowledge while also giving students access to a multitude of varied content from a range of subjects and disciplines. Blogs provide students with a dynamic and engaging medium to widen their horizons and increase their knowledge, whether they are investigating niche topics, examining current events, or looking for helpful advice and resources. Additionally, blogs promote cooperation and a feeling of community by enabling students to interact with others who share their interests, participate in debates, and share ideas in a welcoming setting (Goldman, Cohen, & Sheahan 2008).Students that actively participate in the blogosphere have a greater comprehension of difficult subjects and situations in addition to improving their communication and critical thinking abilities. Furthermore, blogs give students a forum to express their ideas, demonstrate their creativity, and advance their digital literacy, enabling them to take an active role in the online conversation (Frydenberg & Andone 2016). Students may open up a world of learning opportunities, develop a passion for learning that will last a lifetime, and become knowledgeable, capable, and involved global citizens by utilising blogs.

Beneficial features of Social Media:

1. Easily accessible learning resources

Websites like Coursera, Khan Academy, and YouTube have made instructional content more widely available. No matter where they are in the world, millions of students have access to a wealth of tutorials, lectures, and study materials on a variety of topics. This has increased learning opportunities and given independent learners more control.

2.Engagement and Personalization

Interactive material, tests, and debates on social media increase engagement. A more individualised learning experience can be created by educational institutions and instructors by adjusting the content to the needs of certain students (McLoughlin, C., & Lee, M. J. 2010).Students' motivation and interest are increased by gamification and interactive platforms.

3.Global Learning Communities

Students can connect with peers, teachers, and professionals from all across the world using social media. Online discussion boards, groups, and communities offer a venue for group learning, cross-cultural interactions, and exposure to many viewpoints, enhancing the educational experience.

4.Professional Development for Educators

Teachers and educators can use social media to share best practises, take part in online professional development programmes, and keep up with the most recent developments in education. This ongoing education helps to advance the educational system as a whole.

5.e-Learning Platforms

As a result of social media, numerous e-learning websites have emerged, including YouTube, edX, Udemy, and LinkedIn Learning(Bakhshi, S. I., & Amees, M. 2022). These websites provide a broad selection of courses and certifications. These tools enable users to easily progress their professions and learn new skills.

Challenges of Social Media:

1.Information Overload and Misinformation

Social media's wealth of information can cause information overload. Furthermore, a lot of information is inaccurate, and this problem is widespread. For students to distinguish dependable sources from dubious ones, critical thinking abilities must be developed.

2.Privacy and Security Issues

Using social media to share personal information might have privacy and security repercussions(Ali *et. al.*2019). Students and educational institutions must use caution and implement effective data protection methods.

3.Digital Divide

In spite of its promise for transformation, the digital divide continues to be a major issue in India. Many students are unable to participate in online learning because they lack access to dependable internet connections and digital gadgets, especially those who live in distant or economically underprivileged locations.

4.Distraction and Addiction

Excessive social media use can result in distractions and addiction, which has a detrimental effect on kids' ability to concentrate and succeed academically(Barton *et. al.* 2021). It's crucial to strike a balance between work and play.

Conclusion:

In conclusion, social media platforms have become integral to the modern educational landscape, offering a plethora of opportunities and challenges for students, educators, and institutions alike. From facilitating access to learning resources and fostering global learning communities to enabling professional development and enhancing engagement, social media has revolutionized the way education is accessed, delivered, and experienced. But it's also critical to recognize and deal with the problems that social media presents, like information overload, privacy issues, the digital gap, and possible distractions. Educational stakeholders may fully utilise social media to establish inclusive, captivating, and productive learning environments by utilising its positive aspects while addressing its drawbacks. In the end, social media has the ability to change education, give students more power, and influence how lifelong learning will develop in a society growing more interconnected by the day.

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Details of the AI usage are given below:

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References: -

Acht, A. (2020). Exploring Associations between Different Instagram User Types and the Perception of Stress (Doctoral dissertation, University of Applied Sciences).

Alam, S. L., & McLoughlin, C. (2010). Using digital tools to connect learners: Present and future scenarios for citizenship 2.0. Curriculum, technology & transformation for an unknown future. Proceedings ascilite Sydney, 13-24.

Ali, A., Malik, A. K., Ahmed, M., Raza, B., & Ilyas, M. (2019). Privacy concerns in online social networks: A users' perspective. *International Journal of Advanced Computer Science and Applications*, *10*(7), 601-613.

Alsaadat, K. (2018). The Impact of Social Media Technologies on Adult Learning. *International Journal of Electrical & Computer Engineering (2088-8708)*: *8*(5).

Ansari, J. A. N., & Khan, N. A. (2020). Exploring the role of social media in collaborative learning the new domain of learning. *Smart Learning Environments*, *7*(1), 1-16.

Bakhshi, S. I., & Amees, M. (2022). Legal education through MOOCs: A study of select International online platforms. *Indian Journal of Educational Technology*, *4*(2), 169-185.

Barnes, N. G., & Lescault, A. M. (2011). Social media adoption soars as higher-ed experiments and reevaluates its use of new communications tools. *Center for*

Marketing Research. University of Massachusetts Dartmouth, North Dartmouth, MA, 5-10.

Barton, B. A., Adams, K. S., Browne, B. L., & Arrastia-Chisholm, M. C. (2021). The effects of social media usage on attention, motivation, and academic performance. *Active Learning in Higher Education*, *22*(1), 11-22.

Buckman, R. (2005). Too much information? Colleges fear student postings on popular facebook site could pose security risks. The Wall Street Journal, P. B1.

Castells, M. (2000). The contours of the network society. *foresight*, *2*(2): 151-157.

Cohen, R. (2020). Exploring How Social Media Marketing Practices In Community College Academic Programs Shape Student Engagement (Doctoral dissertation, California State University, Northridge).

Davis, J., Wolff, H. G., Forret, M. L., & Sullivan, S. E. (2020). Networking via LinkedIn: An examination of usage and career benefits. Journal of Vocational Behavior, 118, 103396.

Diwanji, P., Simon, B. P., Märki, M., Korkut, S., & Dornberger, R. (2014, November). Success factors of online learning videos. In *2014 International Conference on Interactive Mobile Communication Technologies and Learning (IMCL2014)* (pp. 125-132). IEEE.

Ellison, N. B., &Vitak, J. (2015). Social network site affordances and their relationship to social capital processes. *The handbook of the psychology of communication technology*, 203-227

Faizi, R., El Afia, A., & Chiheb, R. (2013). Exploring the potential benefits of using social media in education. *International Journal of Engineering Pedagogy (iJEP)*, *3*(4), 50-53.

Frydenberg, M., & Andone, D. (2016). Creating micro-videos to demonstrate technology learning and digital literacy. Interactive Technology and Smart Education, 13(4), 261-273.

Goldman, R. H., Cohen, A. P., & Sheahan, F. (2008). Using seminar blogs to enhance student participation and learning in public health school classes. American Journal of Public Health, 98(9), 1658-1663.

Jaffar, A. A. (2012). YouTube: An emerging tool in anatomy education. Anatomical sciences education, 5(3), 158-164**.**

Joosten, T. (2012). *Social media for educators: Strategies and best practices*. John Wiley & Sons.

Kommers, P. ICTs in Teacher Professional Development.

Kuppuswamy, S., & Narayan, P. S. (2010). The impact of social networking websites on the education of youth. *International journal of virtual communities and social networking (IJVCSN)*, *2*(1), 67-79.

Lan, D. H., Tung, T. M., & Oanh, V. T. K. (2023). Student Engagement in Informal Social Media Based Peer Learning Communities in the Digital Age Motivation and Challenges. Kurdish Studies, 11(2), 2703-2717.

Lei, S. Y., Chiu, D. K., Lung, M. M. W., & Chan, C. T. (2021). Exploring the aids of social media for musical instrument education. *International Journal of Music Education*, *39*(2), 187-201.

Lemon, N. (2014). Twitter and teacher education: Exploring teacher, social, and cognitive presence in professional use of social media. Teacher education and practice, 27(4), 532-561.

Li, J., & Rao, H. R. (2010). Twitter as a rapid response news service: An exploration in the context of the 2008 China earthquake. *The Electronic Journal of Information Systems in Developing Countries*, *42*(1), 1-22.

Marwick, A. E. (2015). You may know me from youtube:(micro□) celebrity in social media. *A companion to celebrity*, 333-350.

Mathivanan, S. K., Jayagopal, P., Ahmed, S., Manivannan, S. S., Kumar, P. J., Raja, K. T., ... & Prasad, R. G. (2021). Adoption of e-learning during lockdown in India. *International Journal of System Assurance Engineering and Management*, 1.

McLoughlin, C., & Lee, M. J. (2010). Personalised and self regulated learning in the Web 2.0 era: International exemplars of innovative pedagogy using social software. *Australasian Journal of Educational Technology*, *26*(1).

Milicevic, A. K., Nanopoulos, A., & Ivanovic, M. (2010). Social tagging in recommender systems: a survey of the state-of-the-art and possible extensions. Artificial Intelligence Review, 33, 187-209.

Mislove, A., Lehmann, S., Ahn, Y. Y., Onnela, J. P., & Rosenquist, J. (2011). Understanding the demographics of Twitter users. In *Proceedings of the international AAAI conference on web and social media* (Vol. 5, No. 1, pp. 554-557).

Mohaur, M. (2023). Role of social media in education. Educational Metamorphosis, 2(1), 45-51.

Mukhametgaliyeva, S., Gura, A., Dudnik, O., &Khudarova, A. (2022). The use of social networks in e-learning technologies in the context of distance education. *Sustainability*, *14*(14), 8949.

Nalam, T. (2015). RSS v2. 0: Spamming, User Experience and Formalization (Master's thesis).

Olasina, G. (2017). An evaluation of educational values of YouTube videos for academic writing. The African Journal of Information Systems, 9(4), 2.

Oliveira, C., Garcia, A. C. B., & Diirr, B. (2022). Why shop on social media? A systematic review. *International Journal of Internet Marketing and Advertising*, *16*(4), 344-368.

Prodromou, T. (2015). *Ultimate guide to LinkedIn for business*. Entrepreneur Press.

Rahmaturrizki, M. I., &Sukmayadi, Y. (2021, February). YouTube as audio visual media learning in music education. In 3rd International Conference on Arts and Design Education (ICADE 2020) (pp. 297-303). Atlantis Press.

Saha, S., Sajjanhar, A., Gao, S., Dew, R., & Zhao, Y. (2010, June). Delivering categorized news items using RSS feeds and web services. In 2010 10th IEEE international conference on computer and information technology (pp. 698-702). IEEE.

Shafee, T., Masukume, G., Kipersztok, L., Das, D., Häggström, M., & Heilman, J. (2017). Evolution of Wikipedia's medical content: past, present and future. *J Epidemiol Community Health*, *71*(11), 1122-1129.

Sheldon, P. (2008a). Student favourite: Facebook and motives for its use. Southwestern Mass Communication Journal, 23(2), 39–53.

Shrivastava, A., &Ambia, G. (2023). Changing of Education System During the Pandemic Situation (Covid–19): A Brief Review. *International journal of Engineering, Business and Management*, *7*(4).

Sivakumar, R. (2020). Effects of social media on academic performance of the students. *The Online Journal of Distance Education and e-Learning*, *8*(2), 90-97.

Urista, M. A., Dong, Q., & Day, K. D. (2009). Explaining why young adults use MySpace and Facebook through uses and gratifications theory. Human Communication, 12(2), 215–229.

Wong, A., Ho, S., Olusanya, O., Antonini, M. V., & Lyness, D. (2021). The use of social media and online communications in times of pandemic COVID-19. *Journal of the Intensive Care Society*, *22*(3), 255-260.

Web-bibliography:

Role and Impact of social media in India - India (mapsofindia.com)

www.theglobalstatistics.com