



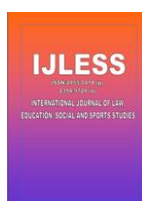
A Study on Innovative Teaching Models of Inquiry-based learning A Study in Kalaburagi District

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DOI: [10.33329/ijless.12.S1.440](https://doi.org/10.33329/ijless.12.S1.440)



ABSTRACT

This study aims to investigate and implement on effectiveness of innovative teaching models (inquiry -based learning) in schools within the Kalaburagi district of North Karnataka. The research explores the perceptions of teachers and students regarding the adoption of inquiry -based learning model, their impact on student learning outcomes, and the challenges and opportunities associated with their implementation. The statistical techniques such as t-test and correlation were used to analyse the data.

The results suggest that the study seeks to identify successful practices, highlight areas for improvement, and provide recommendations for policymakers and educators to enhance the quality of education in the region. The limitation and summary have been discussed in the paper.

Keywords: Innovative new methods, inquiry-based learning.

In the digital age, social media has emerged as a powerful force that has redefined the way we communicate, share information, and connect with others. Initially designed as platforms for social interaction and networking, these digital spaces have permeated every aspect of our lives, including education. The profound influence of social media on education is undeniable, shaping the landscape of learning in both positive and negative ways. This multi-faceted impact has sparked extensive debate and research, as educators, students, parents, and policymakers grapple with the implications of this technological revolution. The integration of social media into education is not a recent development. As early as the mid-2000s, educators began to recognize the potential of platforms like Facebook, Twitter, and YouTube as supplementary tools for teaching and learning. However, over the years, the scope and depth of this integration have evolved significantly, ushering in a new era of education that is characterized by digital connectivity, collaboration, and accessibility of information. As we delve into this complex relationship between social media and education, it becomes evident that it is a double-edged sword, bringing both opportunities and challenges. Leveraging social media in education can significantly enhance the learning experience for everyone involved. It promotes student engagement, interactive learning, and connections beyond the classroom, fostering curiosity, teamwork, and creativity. However, it's important to be mindful of potential distractions and privacy risks. Utilizing platforms like Facebook, Instagram, WhatsApp, YouTube, and Telegram can enhance collaboration among students and educators, creating a more dynamic and engaging learning

environment. Imagine a world where students collaborate on science projects through group chats and practice language skills by interacting with native speakers via video calls. Social media can transform education, making it more engaging and interactive. With features like likes, comments, and shares, students can express their thoughts and connect with peers in ways that traditional classrooms may not allow.

Social media is essential for educational institutions to connect with students and share information, enhancing teaching and learning methods. As education shifts online, platforms like Facebook, Twitter, WhatsApp, YouTube, and Instagram allow for the exchange of text, audio, and video content. This rise in social media marks the fourth wave of communication, following print, radio, and television. It has significantly changed lifestyles, reaching 50 million households in just four years. The integration of technology and the internet has shifted communication from a one-to-many model to many-to-many interactions, especially impacting users aged 13 to 19. Social media influences cultural and socioeconomic behaviors, affecting food habits, mindsets, fashion, and social dynamics. While both urban and rural areas utilize computers and smartphones for education, social media usage is generally higher in urban regions, likely due to better access to resources. The most popular platforms among students remain Facebook, Twitter, Instagram, and WhatsApp.

REVIEW OF RELATED LITERATURE:

The study examined the rapid evolution of digital technology as a tool for managing information and communication. Young users are especially vulnerable, as careless use – particularly on social media and mobile apps – can lead to issues like anxiety, cyberbullying, and device addiction. Involving 2,529 students aged 10 to 17 from southern Europe, the findings showed that minors often engage in risky behaviours, such as meeting strangers online, sharing personal information, and disclosing passwords. Older adolescents are more likely to exhibit these negligent behaviors, underscoring the need for early education, ideally before age 12., **Lareki et al (2024)**. It is focused, on the use of social media among adolescents and has raised concerns about its impact on their health. This article examines the experiences of 75 middle school adolescents in Southern California regarding their engagement with social media platforms. The study uncovers how their involvement with social media is linked to cultural and social factors, **Giselle Sanchez et al (2024)**. The study investigated that, social media use among adolescents predicts increased in-person time spent with friends, but it does not directly impact social skills. However, increased social media use is linked to decreased social skills in individuals with high social anxiety. This suggests that social media may harm those with social anxiety, **Silje Steinsbekk et. al (2024)**. This study takes a data-driven approach to explore how the government has utilized data insights and nudges to promote social distancing during the pandemic. The study revealed that access to suitable information and communication technology (ICT) significantly affects people's willingness to follow social distancing guidelines and work from home (WFH). In addition, respondents' expectations of WFH's impact on job performance were identified as a key factor in maintaining social distancing, with individual habits playing a crucial role in improving WFH performance, **Anup Kumar et. al (2024)**.

IMPORTANT BENEFITS OF SOCIAL MEDIA IN EDUCATION

➤ **Helps in learning actively rather than passively**

Using social media for educational purposes has significant advantages, particularly in boosting student engagement. It allows for active learning through commenting on articles, participating in live streams, and completing quizzes, helping students connect with the material and experts. Videos are especially effective because they present information in a more engaging way than traditional methods. Teachers can use video editing tools to create interactive content, enhancing both understanding and interest by providing customized material that aligns with students' specific interests.

➤ **Helps in Gaining access to many educational resources**

The pandemic has improved access to online education, with YouTube serving as a key resource for students to take courses and attend lectures from home. Social media also offers a variety of educational materials, and many individuals live-stream lectures, enriching students' understanding of different topics. Students can interact with experts to address their questions, making learning more engaging. Overall, social media has made it easier to access educational content, collaborate with peers, and connect with expert instructors.

➤ **Helps in developing good communication skills**

Students' communication skills can improve or decline due to their use of social media. Educators agree that frequent social media usage blurs the lines between school and home. Beyond the classroom, many students find that blogging, texting, and tweeting boost their self-esteem and empower them to express their ideas. A social work degree provides valuable perspectives on the role of social media in education, emphasizing the need for inclusive and supportive online environments for students.

➤ **Helps in connecting and collaborating outside the classroom**

Education and online social networks work well together, enabling interaction and collaboration beyond the traditional classroom. Through online forums and discussion groups, students can share insights, ask questions, and engage with peers globally. Video conferencing technology allows participation in worldwide conferences. Many schools encourage international collaboration through social media projects, helping students gain a deeper understanding of diverse cultures and languages.

➤ **Makes building networks easy**

Many schools have a presence on LinkedIn, which helps students build a professional network. By creating a profile and connecting with others, students can start networking before graduation. This can lead to finding a mentor and establishing valuable contacts through relevant LinkedIn groups.

➤ **Provides credibility in the social domain**

More secondary schools and colleges are using social networking sites like Facebook, Twitter, and YouTube to communicate with students. These platforms keep students informed about important news, encourage meaningful conversations, and provide valuable information. Social media enhances communication between authorities and students, helping schools address concerns and build closer relationships with their students.

➤ **Keeps parents and teachers informed**

Social media facilitates quick communication between parents and teachers. Teachers can create private Facebook groups to share updates about field trips, events, and assignments, making it easier for parents to stay informed. WhatsApp is also effective for reminders about due dates and sharing useful resources, as many parents check it daily. Additionally, Pinterest allows parents to explore their children's interests and reading progress through engaging bulletin boards, helping them feel more connected to their children's education.

➤ **Marketing platform for educational institutions**

Social media is a valuable tool for educational institutions to connect with prospective students. Educators can enhance their credibility by engaging in online communities, allowing students to learn from genuine experts. Schools can use social media to communicate with current and

potential students, addressing their concerns and building trust. Higher education institutions can create informative blogs and use video content to inspire students to persevere through challenges.

- **Global Reach:** Educational information on social media may connect with a vast and varied audience, erasing geographical boundaries and promoting knowledge exchange across cultures. Video, infographics, and visuals may help challenging ideas become more accessible and remembered while also addressing diverse learning preferences.
- **Informal Learning:** Social media provides a more laid-back and informal learning atmosphere that may inspire students to investigate subjects they otherwise may not have looked into.
- **Real-World Application:** Students may learn relevant skills for digital communication, online conduct, and responsible internet use by integrating social media into their curriculum.
- **Community Building:** Social media platforms make it possible to create online learning communities that support one another and link teachers and students. As we know, every coin has two sides, so the negative aspects of this tool can be.

PRECAUTIONS TO BE TAKEN FOR THE STUDENTS

- **Parental control** should be initiated with screentime limitation and constant communication with the children. Parents engage in outdoor activities and children minimize social media usage.
- **The government** initiatively can take in promoting third-party digital audits, and data protection laws, and in 2024, accountability of the platforms for their content can be initiated.
- **Digital literacy** can be brought into practice to prevent students from losing opportunities in the future due to their underprivileged background. Platforms that recommend or amplify inappropriate content can be prohibited, including adult material or exploitative content.
- **Institution's accessibility** to only internet about the study materials required with proper assistance for the projects and seminars, debates, etc. Management control over the internet access at the institution.
- **Motivating** the students to be focused on their goals and proper utilization of social media platforms creates opportunities to improve their academic skills and basic life development skills by guiding high-quality websites and educational software.

CHALLENGES OF SOCIAL MEDIA USAGE ON ACADEMIC OUTCOMES

Social media, with all its potential, comes with a host of drawbacks that might hinder students' progress in the classroom. Among the major challenges are:

- **Distraction and Time Management:** Students can lose focus and productivity due to constant notifications, updates, and irrelevant content.
- **Information Overload:** The abundance of information on social media can cause an overload of information. This can make it difficult for students to distinguish between relevant and accurate information, making it harder for them to identify credible sources and engage in critical thinking.
- **Reduced Face-to-Face Interactions:** Reliance on social media can hinder the development of interpersonal skills necessary for various situations, as it may reduce face-to-face interactions among students.
- **Privacy Concerns:** Students may unknowingly compromise sensitive data, leading to privacy and security issues.

- **Negative Impact on Mental Health:** Social media addiction can lead to feelings of loneliness, melancholy, anxiety, and a fear of missing out (FOMO).
- **Misinformation and Fake News:** Students may encounter inaccurate information resulting in errors or misinterpretations of academic content (Al-Sharqi & Hashim, 2016).
- **Academic Integrity Concerns:** Collaborating on social media platforms can be tricky as it may lead to unethical practices like sharing answers or plagiarising content from online sources that can compromise academic integrity.
- **Multitasking and Cognitive Overload:** Studying while using social media can lead to cognitive overload, affecting learning quality and academic success.
- **Disruption of Sleep Patterns:** Late-night social media use can disrupt students' sleep patterns, leading to compromised well-being and cognitive abilities during classes and exams.
- **Addiction and Time Management:** Students who use social media excessively may develop addictive behaviors that divert them from their studies.
- **Equity and Access:** Not all students have equal access to reliable technology and internet connections, resulting in differences in their learning experiences and opportunities.
- **Boundary Between Personal and Academic Use:** The integration of social media blurs the line between personal and academic use, making it challenging for students to maintain a healthy balance (Dyson et al., 2015).
- **Fake News:** Social media is full of fake news, which can mislead children if they aren't taught to critically analyze sources. Overusing social media can harm mental health and lead to addiction due to comparison, cyberbullying, and social isolation.
- **Lack of Depth:** The character limits and brief format of social media can hinder deep discussions of complex issues, leading to a superficial understanding. Unequal access to social media and reliable internet can worsen educational inequalities. Moreover, excessive use of social media for education may undervalue the importance of face-to-face interactions for social and emotional development.

RECOMMENDATIONS FOR THE FUTURE OF THE INSTITUTION

- Institutions should build an adaptation culture to keep up with the ever-changing social media world. This entails keeping up with emerging platforms and fashions.
- Enhance the instruction of digital literacy so that students can critically analyze content, responsibly use social media, and communicate politely online.
- Provide continual professional development for educators to improve their ability to properly integrate social media into the classroom.
- Encourage the study of how social media integration affects student engagement and learning outcomes. The research's conclusions will direct best practices and provide information for choices.
- Address the digital divide by providing fair access to technology and stable internet connections for all students, allowing them to fully participate in social media-integrated learning.
- Investigate and implement collaborative platforms that correspond with educational objectives. Make certain that the platforms you choose prioritize privacy, security, and educational efficiency.

- To keep students interested and involved, always create new engagement strategies that make use of social media's possibilities.
- Create open avenues of communication for students and educators to share input on social media integration. Make informed modifications and improvements based on this feedback.
- Form alliances with social media firms and technology professionals to keep ahead of technological advances and harness their experience.
- Create and explain explicit ethical principles for educational social media use, emphasizing responsible behaviors, privacy, and academic integrity.

SOCIAL MEDIA AT THE TEACHER LEVEL:

Teachers can keep in touch with students who may be located across the globe not only, but also building relationships with parents. Teachers can create their own brand and make an impact at their school.

Social media demands lots of time and energy, if they don't invest in social media, they won't be able to share the information they've learned. They must be vigilant in controlling the content they post and the information they share. Teachers must be cautious when they share personal information.

CONCLUSION: Educators should approach social media use in the classroom with caution to maximize benefits and minimize drawbacks. By providing guidelines, digital literacy training, and moderation, teachers can effectively harness social media's potential to enhance engagement, collaboration, and personalized learning. Teachers need to guide students in using social media ethically. Furthermore, social media can extend digital library resources in schools during learning hours.

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