



# Role of Digital Information Literacy to empower the entrepreneurs: An Impression

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## Abstract

Digital technologies are rapidly transforming societies and economies; the role of digital literacy in empowering entrepreneurs has garnered significant attention. The digital realm presents unprecedented opportunities for women to overcome traditional barriers and participate in entrepreneurial ventures on equal footing with counterparts. However, realizing this potential requires a comprehensive understanding of how digital literacy intersects with the unique challenges and opportunities faced by in entrepreneurship. Digital literacy is the skill of being able to use computers and the internet to find, evaluate, use, share, and create material. Literacy that happens offline and includes reading, writing, language, and syntax is not the same thing. Digital literacy might mean being able to read and write online or use tech like computers, phones, and Kindles, but it's also a lot more than that. Because of social media, digital literacy now includes a lot of different skills, such as how to post videos on YouTube and share things on Facebook, Email, Whats App etc.

## 1. Introduction

Digital literacy has become a crucial skill for entrepreneurs. With the rapid advancement of technology, it is essential for entrepreneurs to have a strong understanding of digital tools and platforms in order to effectively run their businesses. Digital literacy encompasses a range of skills, including the ability to navigate the internet, use social media, analyze data, and protect sensitive information.. Digital literacy is a critical skill for entrepreneurs and innovators in today's rapidly evolving technological landscape. With the increasing use of digital platforms, tools, and technologies, entrepreneurs must be proficient in digital literacy to succeed. Digital literacy involves the ability to use digital tools, devices, and technologies to access, evaluate, and create information. It is not just about knowing how to use technology but also understanding the underlying concepts and principles that drive it.

## 2. What is Information Literacy

Information Literacy is the ability to recognize when information is needed, locate relevant information, evaluate its credibility and quality, effectively and ethically use it, and properly cite and communicate the acquired knowledge. It encompasses skills, competencies, and attitudes that enable individuals to navigate and make sense of the vast information available in various formats, including digital and print.

## 3. What is Digital Information Literacy

Digital Information Literacy is the ability to effectively and critically navigate, evaluate, and utilize digital information in a technologically-driven world. It encompasses skills and competencies that enable individuals to find, evaluate, use, and ethically create digital information using various digital devices, platforms, and tools. In essence, digital information literacy builds upon the foundational principles of traditional information literacy and adapts them to the digital landscape.

## 4. Significance of Digital Literacy

The value of digital literacy in contemporary society is of utmost importance. In an era characterized by the growing digitization of society, it has become imperative for individuals, communities, and economies across the globe to acquire the requisite competencies for proficiently engaging with digital technology. One of the main reasons why digital literacy is important for entrepreneurs is that it allows them to reach a wider audience. With the internet being accessible to billions of people worldwide, entrepreneurs have the

opportunity to market their products or services to a global audience. By having a strong digital presence, entrepreneurs can attract customers from different parts of the world, increasing their chances of success.

#### **4.1 Digital literacy and communication**

Communication is a critical skill for entrepreneurs, and digital literacy enables them to communicate effectively in the digital age. Entrepreneurs must be able to use digital tools and technologies to communicate with customers, partners, and stakeholders. They must also be able to create compelling content that resonates with their target audience. Digital literacy enables entrepreneurs to use social media, blogs, and other digital channels to reach a broader audience and build their brand.

#### **4.2 Digital literacy and innovation**

Innovation is the lifeblood of entrepreneurship, and digital literacy plays a crucial role in driving innovation. Entrepreneurs must be able to identify and leverage emerging technologies to create new products, services, and business models. Digital literacy enables entrepreneurs to access and evaluate information from a wide range of sources, including social media, online communities, and blogs, also they can also use digital tools and technologies to prototype, test, and refine their ideas quickly.

#### **4.3 Digital literacy and data analysis**

Data analysis is an essential skill for entrepreneurs, and digital literacy enables them to analyze data effectively. Entrepreneurs must be able to collect, analyze, and interpret data to make informed decisions. Digital literacy enables entrepreneurs to use digital tools and technologies to collect and analyze data from a wide range of sources, including social media, customer feedback, and website analytics. They can also use digital tools to create visualizations and dashboards that make it easier to understand and communicate data insights.

#### **4.4 Digital literacy and cybersecurity**

Cybersecurity is a critical issue for entrepreneurs, and digital literacy enables them to protect their business from cyber threats. Entrepreneurs must be able to identify and mitigate cyber risks to protect their business and their customers' data. Digital literacy enables entrepreneurs to understand the risks and vulnerabilities of digital technologies and implement appropriate security measures. They can also use digital tools and technologies to monitor and detect cyber threats and respond quickly to security incidents.

#### **4.5 Digital literacy and collaboration**

Collaboration is a critical skill for entrepreneurs, and digital literacy enables them to collaborate effectively in the digital age. Entrepreneurs must be able to collaborate with partners, customers, and stakeholders across different geographies and time zones. Digital literacy enables entrepreneurs to use digital tools and technologies to collaborate in real-time, share information, and work together on projects. They can also use digital tools to manage and track project progress and communicate effectively with team members. Digital literacy is a critical skill for entrepreneurs and innovators in today's fast-paced technological landscape. It enables them to access, evaluate, and create information, communicate effectively, analyze data, protect their business from cyber threats, and collaborate with others. Entrepreneurs who prioritize digital literacy will be better equipped to succeed in the digital age.

#### **4.6 Enhancing Employability through Digital Literacy**

In today's job market, digital literacy is no longer an optional skill; it is a prerequisite. Employers across industries are seeking individuals who can effectively use digital tools and technologies to perform tasks, solve problems, and adapt to new situations. For example, a digital marketer needs to be proficient in using social media platforms, data analytics tools, and content management systems to reach and engage with target audiences. By possessing digital literacy, individuals can enhance their employability and remain competitive in a rapidly evolving job market.

#### **4.7 Enabling Lifelong Learning:**

Digital literacy plays a crucial role in enabling lifelong learning. With the abundance of online resources and educational platforms, individuals can access a vast amount of information and acquire new knowledge at their own pace. For instance, Massive Open Online Courses (MOOCs) offer a wide range of courses from prestigious universities and institutions, allowing individuals to upskill or learn new subjects without the constraints of time or location. Digital literacy empowers individuals to navigate these online learning platforms, critically evaluate the quality of information, and engage in collaborative learning experiences.

### **5. Values and Ethics of Digital Literacy**

The fundamental idea behind digital literacy is the concept of access and equity. In a contemporary period characterized by the significant influence of information and technology on individuals' chances and overall well-being, it is of utmost importance to prioritize the establishment of fair and equal access for all individuals. Digital literacy initiatives prioritize efforts to narrow the digital divide, allowing individuals of all socioeconomic backgrounds and geographic locations to access and utilize digital resources and opportunities.

Digital literacy establishes the basis for a more inclusive and equitable society by fostering access and fairness.

Ethical digital literacy encompasses the fundamental principles of privacy and security. With the growing prevalence of online activities, it is crucial to prioritize the protection of personal data and the observance of privacy rights. The significance of comprehending topics such as data protection, consent, encryption, and cyber security measures is underscored by digital literacy. Digital literacy fosters trust and integrity in online interactions by providing users with the necessary knowledge and abilities to safeguard their digital identities and information. This, in turn, reduces the likelihood of data breaches and privacy violations. In the digital world, critical thinking and media literacy are essential principles.

The indispensability of critically evaluating sources, distinguishing misinformation, and analysing biases has become increasingly apparent due to the widespread availability of information on the internet. Digital literacy fosters the cultivation of critical thinking abilities, enabling individuals to navigate the intricacies of the digital realm with astuteness and doubt. In addition, the acquisition of media literacy skills empowers individuals to comprehend the processes involved in the creation and distribution of media messages, hence promoting media literacy and fostering responsible consumption of digital material.

**6. Different Types of Digital Literacy :** There are 7 types of Digital Literacy. They are:

- Computer Skills
- Communication skills
- Social Media skills
- Personal devices and apps using skills
- Internet Navigation skills
- Privacy protect
- Assessing the authenticity of a source

Developing such competencies can improve productivity, creativity, and critical thinking capabilities along with problem-solving abilities.

#### **6.1 Computer Skills**

The understanding of a computer's hardware and software, as well as its information processing and delivery processes, is frequently disregarded by individuals who do not engage in a thorough exploration of this topic. However, these factors are crucial in the domain of digital education.

#### **6.2 Communication Skills**

Gaining this talent is of utmost importance and the primary motivation for many persons' desires to go online. Utilizing platforms like Gmail to create an email account or establishing an internet video conferencing profile through websites like Skype can greatly improve your ability to engage and establish connections with others.

#### **6.3 Social Media Skills**

In order to enhance one's online social presence, it is advisable to establish accounts on the popular social media platforms like Facebook, Twitter, and Instagram.

#### **6.4 Personal devices and apps using skills**

The procurement of personal devices such as desktop computers, laptops, tablets, and/or smartphones is considered one of the most efficacious strategies for enhancing one's skills. The most effective method for obtaining and improving your current skills is to consistently utilize your devices and integrate them into your daily routines.

#### **6.5 Internet Navigation Skills**

Proficiency in Internet navigation is essential. Familiarity with search tools like Google Search can provide a strong basis.

#### **6.6 Privacy Protect**

Many websites require users to provide their personal information in order to utilize their services. Gaining the essential digital proficiency of assessing if a website is effectively protecting your information and guaranteeing privacy is of paramount importance.

#### **6.7 Assessing the Authenticity of a Source**

An essential element of online browsing involves avoiding the multitude of websites that disseminate incorrect information. Information literacy is a vital component of digital literacies, focusing on the effective retrieval, assessment, and use of digital information. Media literacy is a skill set that enables individuals to critically analyze and interpret media messages across different platforms. Social media literacy, on the other hand, facilitates effective comprehension of social media platforms for communication purposes. Lastly, cyber security literacy plays a crucial role in recognizing the hazards associated with cyber-attacks.

## 7. The Benefits of Digital Information Literacy

In addition to enhancing the share ability and accessibility of information, businesses may choose for digitization for various other purposes. The typical advantages and applications of digitization encompass the following:

- **Ease of access:** Digital data can be readily stored, retrieved, and distributed. This is particularly crucial in the contemporary business landscape, where the prompt and effortless retrieval of information is imperative for employees, customers, and partners.
- **Easy data analysis:** Analogue information is less susceptible to manipulation compared to digital information. This implies that enterprises can enhance their ability to analyze and utilize data in order to make more informed decisions.
- **Improved customer experience:** Digitization has been found to improve the customer experience through the utilization of several technologies, including chatbots, social media platforms, automated ticketing systems, and knowledge acquisition tools. This approach facilitates the resolution of client issues with greater effectiveness and efficiency.
- **Digital libraries and archives:** The digitization of books, manuscripts, historical records, and cultural items serves to enhance the accessibility of these resources, while also safeguarding them for the benefit of future generations. The accessibility of these objects may be enhanced for a broader demographic due to the availability of digital libraries and archives.
- **Education and online learning:** Digitization has facilitated personalised learning experiences and online evaluations by providing access to e-learning resources, remote learning opportunities, and interactive digital technologies.
- **Increased operational efficiency:** Digitization enables businesses to optimise processes and automate tasks, leading to reduced reaction times and enhanced productivity. Furthermore, this contributes to the general optimisation of business operations.
- **New markets:** Digitization enables businesses to broaden their customerbase and penetrate new markets by leveraging the internet and diverse technological platforms to engage with a worldwide audience.
- **Digital transformation in industries:** The process of digitization is of paramount importance in facilitating digital transformation endeavors throughout diverse sectors and supply networks. In the manufacturing industry, it serves to assist the establishment of intelligent factories and allows for the incorporation of Internet of Things (IoT) sensors to enable real-time monitoring and optimization. Digitization in the healthcare sector improves the management of patient records, the delivery of telemedicine services, and the capability to remotely monitor patients.
- **Reduced costs:** The process of digitization has the potential to yield cost savings for enterprises through the reduction of reliance on physical paper documents and analogue materials.

## 8. Disadvantages of Digital Information Literacy

Although digitization presents numerous advantages, it also entails certain drawbacks.

Typical drawbacks of digitization encompass the subsequent:

- **Privacy concerns:** The unauthorized replication and dissemination of digital information can occur without the explicit consent of the copyright owner. Consequently, the emergence of piracy and intellectual property theft has become a significant concern.
- **Data alterations:** The alteration or deletion of digital information is a straightforward process. The occurrence of errors and misconceptions may arise, particularly when the modified information lacks appropriate labelling or identification.
- **Dependence on technology:** The process of digitization can result in a dependence on technology, which can be costly and challenging to sustain on a large scale. Recovering lost data becomes challenging when a business's digital systems experience failure.
- **Upfront costs:** Implementing digitization might incur initial expenses, particularly for organizations that require the conversion of substantial quantities of physical records into digital information.
- **Security risks:** The digitization process entails the digital storage of data and documents, hence potentially increasing the vulnerability to security breaches pertaining to sensitive information.
- **Digital divide:** There exists a disparity in the accessibility and proficiency of digital technology among individuals. The potential consequence of this situation is the emergence of a digital gap, wherein certain individuals or communities may encounter limited access to digital information.

## 9. Conclusion

Digital literacy is crucial for entrepreneurs to protect their businesses from cyber threats. With the increasing number of cyber-attacks and data breaches, entrepreneurs need to be aware of the potential risks

and take necessary precautions to safeguard their sensitive information. This includes implementing strong passwords, using secure networks, and regularly updating security software. In conclusion, digital literacy is of utmost importance for entrepreneurs in today's digital age. It enables them to reach a wider audience, stay updated with industry trends, enhance communication and collaboration, make data-driven decisions, and protect their businesses from cyber threats. By investing in digital literacy, entrepreneurs can position themselves for success in the ever-evolving digital landscape.

## 10. References

- [1]. Salamzadeh, A., Dana, L.-P., Ghaffari Feyzabadi, J., Hadizadeh, M., Eslahi Fatmesari, H. (2024). Digital Technology as a Disentangling Force for Women Entrepreneurs. *World*, 5, 346–364.
- [2]. Achmad, A., Karto, A., & Asril, A. (2024). Small Business Empowerment Strategy in the Agricultural Sector Through Digital Entrepreneurship. *International Journal of Management Science and Information Technology*, 4(2), 326-335.
- [3]. Milosevic, I. M., Plotnic, O., Tick, A., Stankovic, Z., & Buzdugan, A. (2024). Digital Transformation in Manufacturing: Enhancing Competitiveness Through Industry 4.0 Technologies. *Precision Mechanics & Digital Fabrication*, 1(1), 31-40.
- [4]. George, N., & Edghiem, F. (2023). *Digital Entrepreneurship*, 56–78.
- [5]. Breen, M., Waters, J. and O'Shea, L., (2022). Taking a Lead on Digital Literacy for Students—A Case Study from the Library at the University of Limerick. *New Review of Academic Librarianship*, pp.1-22.
- [6]. Ernandes, C., Ferreira, J. J., Veiga, P. M., Kraus, S., & Dabić, M. (2022). Digital entrepreneurship platforms: Mapping the field and looking towards a holistic approach. *Technology in Society*, 70, 10-19.
- [7]. Sujarwo, S., Trisanti, T., & Kusumawardani, E. (2022). Digital literacy model to empower women using community- based education approach. *World Journal on Educational Technology: Current Issues*. 14(1), 175-188.
- [8]. Chandwani, J., Verma, S. (2020). Role of Digital Technologies for Women Entrepreneurship in India. *In Perspectives on Business Management & Economics*. II, 62-71.
- [9]. Yustika, G. P. & Iswati, S. (2020). Digital Literacy in Formal Online Education: A Short Review. *Dinamika, Pendidikan*, 15(1), 66-76.