International Scientific Journal of Engineering and Management (ISJEM) ISSN: 2583-6129
Special Edition: Volume: 04 IMCD – 2025 DOI: 10.55041/ISJEM.IMCD017
An International Scholarly || Multidisciplinary || Open Access || Indexing in all major Database & Metadata

Media Literacy and the Sustainability of Information Integrity in the Digital Era

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ABSTRACT

The integrity of information preservation is now seriously threatened by the growth of digital information sources in the twenty-first century. This paper aims to explore the relationship between media literacy and digital responsibility, especially among more engaged populations. Data was collected from 117 participants in a convenience sample using a quantitative survey methodology. Inquiries concerning young people's use of digital media, literacy levels, the risks of misinformation-induced misunderstandings, and the need for formal media education were used to achieve this. The findings indicate that young, well- educated social media users make up the majority of this demographic. More importantly, respondents demonstrated relatively high levels of self-efficacy in rigorous verification behaviours (e.g., self-censoring before sharing; multi-sourcing cross-checking), algorithmic influence identification, and critical evaluation. Additionally, almost all respondents concur that (1) disinformation is a serious social problem and (2) users and media/government agencies should share responsibility for finding a solution. The researchers take advantage of this to push for educational reform through a mandate, given the public's strong desire for media literacy to be included in formal education. This study lends credence to the notion that the active involvement of the most involved digital citizens forms the cornerstone of a trustworthy information environment.

KEYWORDS: Media Literacy, Information Integrity, Misinformation, Digital Citizenship, Quantitative Survey, Algorithmic Bias, Digital Consumption.

INTRODUCTION

The information age is the twenty-first century. International communication was transformed by the digital revolution that took place during that time. Unprecedented interconnectedness and instant access to infinite data have been made possible by the rise of sophisticated digital tools, particularly social media networks. This has led to the removal of the time and place constraints that had restricted media consumption. Because of this revolution, which allowed billions of users to produce and share content, big media companies lost their influence. The new ecosystem does, however, also have a serious problem with information integrity, which manifests itself in the pervasive and sometimes viral dissemination of inaccurate and misleading information. The same policies that were implemented to encourage sharing have also acted as channels for misinformation and undermined the legitimacy of the public domain.

At the heart of this problem is the way the digital ecosystem operates. The strict editorial control and gatekeeping present in traditional media have mostly been replaced by platform algorithms. In these algorithms, engagement metrics like clicks, shares, and reactions take precedence over truth and excellent journalism. This algorithmic curation, which often favours sensational, polarizing, or emotionally charged content, accelerates the breakdown of common factual understanding. In the end, this makes it more difficult to reach the rational conclusions necessary for democracies and to take significant action on important issues ranging from public health to geopolitical stability by dividing public discussions into echo chambers and polarized filter bubbles. Arul Selvan (2019) supports this claim with a needs

assessment study that looks at the demand for media and information literacy (MIL) initiatives in India.

Given this, the idea of media literacy becomes the fundamental mental and behavioural safeguard needed to survive in the information era. Media literacy is the capacity to find, analyse, evaluate, and create media in a range of formats. It shifts the burden of verification from the incompetent external gatekeepers to the individual user. Little is known about the actual skills and attitudes of the most frequent users of the digital ecosystem, despite the widespread agreement that media literacy needs to be improved. Determining whether today's educated digital natives, who spend most of their time on algorithm-controlled social media platforms, have the basic skills necessary to critically assess content as well as the motivation and sense of duty to ensure a secure information environment for coming generations is vital. The sustainability of information integrity depends on the shift from passive media consumption to active, ethically aware digital citizenship.

This study aims to address this need by providing a thorough assessment of the connection between media literacy skills and digital responsibility among a current sample of respondents. The study does more than just point out the issue of false information. It looks into the actual cognitive and behavioural techniques people say they use to navigate this complex and often challenging digital world. This supports the claim made by Raji, Oladimeji, and Akinyera (2025) that teaching media literacy helps students become moral digital citizens who are able to engage in society with knowledge and moral reasoning.

This study is based on four main objectives:

1. To outline the media consumption habits of the survey respondents (platforms, duration, and content types).
2. To evaluate the respondents' self-reported media literacy skills, including their ability to recognize algorithmic bias and evaluate content critically.
3. To ascertain the respondents' perceptions of the dangers of misleading information and their sense of duty to refute it.
4. To assess the necessity and desirability of formal media literacy education.

LITERATURE REVIEW

Global information consumption has changed as a result of the rapid digitization of communication in the twenty-first century. Today's users are surrounded by a world of opportunity and risk due to the growth of social media, digital news platforms, and user- generated content. False and accurate information frequently coexist indistinguishably in this context. The primary educational and cognitive framework that guarantees users, especially children and young people, can evaluate media messages critically and maintain the integrity of information in the digital age is media literacy (ML). Using data from both empirical and conceptual studies, this literature review, which focuses on the Indian context, summarizes recent findings on the importance, development, and use of media literacy.

Media literacy is the foundation of information integrity.

The concept of media literacy supports users' ability to critically evaluate and navigate information environments that are overflowing with diverse content. Machine learning (ML) is crucial for Indian youth between the ages of 15 and 34, who are a dynamic demographic that can influence social change, claim Sachdeva and Tripathi (2019). The researchers claim that because of their heavy usage of social media, young people are particularly susceptible to misleading information, endangering social cohesion and the advancement of the country. Despite lacking methodological details, their study emphasizes cognitive empowerment through analytical and expository capabilities—tools crucial to preserving information integrity. Arul Selvan (2019) supports this claim with a needs assessment study that looks at the demand for media and information literacy (MIL) initiatives in India. The piece illustrates how the development of media and technology has outpaced citizens' ability to assess reliable information, resulting in a disconnect between users' access and understanding. Using UNESCO indicators, academic surveys, and expert discussions, Selvan concludes that MIL is an essential empowerment tool for navigating bias, disinformation, and

hidden agendas. The two studies collectively demonstrate that media literacy is both an educational goal and a national necessity for trustworthy information practices.

The Extension of Media Competence to Digital Literacy

Digital literacy, which is closely related to machine learning, is the set of practical skills needed to navigate modern media systems. According to Shabbir and Porwal (2025), preserving the integrity of information in India's digital network requires users' technical and interpretive abilities. Their research, which employs a three-dimensional framework for digital literacy, shows that localized content, fair access, and awareness of cybercrime are essential components of sustainable information practices. Both technical and cognitive aspects are included in this extension of literacy, highlighting the fact that comprehending digital environments is inextricably linked to critically analysing their content. According to this perspective, the practical underpinning of machine learning is digital literacy. It positions users as active participants who interact with content in a responsible manner rather than as passive consumers. This supports the claim made by Raji, Oladimeji, and Akinyera (2025) that teaching media literacy helps students become moral digital citizens who are able to engage in society with knowledge and moral reasoning. Their conceptual review highlights how teaching critical evaluation skills through ML education advances the overarching goal of preserving truth in an era of disinformation.

Children's Audiences and Critical Media Literacy

Children and teenagers are another demographic that is greatly impacted by the spread of digital content. Negi and Babu (2023) claim that the COVID-19 pandemic greatly increased children's media exposure, increasing their risk of false information, cyberbullying, and physical health issues. Based on a survey that included both parents and children, they conclude that promoting critical media literacy (CML) is essential for protecting young users from harmful media influences and advancing digital well-being. The results of this study corroborate those of Geraee et al. (2019), who demonstrate that structured media education programs significantly enhance teens' ability to interpret, assess, and avoid misleading media messages. In both studies, machine learning (ML) acts as a buffer, strengthening young users' cognitive defences against false information and online manipulation.

Using Media Literacy to Prevent Misinformation

Misinformation and fake news continue to threaten the sustainability of trustworthy information ecosystems. In order to demonstrate how disinformation exploits cognitive biases and emotional appeal, Tripathi (n.d.) looks at case studies from India, specifically COVID-19 disinformation. The study concludes that one of the most important strategies for getting past these challenges is machine learning. Similarly, Pandey (2024) asserts that machine learning (ML) develops awareness, the ability to recognize bias, and verification skills that guard against the negative consequences of digital information overload. Both scholars stress that machine learning (ML) must go beyond formal education and become a part of broader societal literacy in order to ensure truth resilience in democracies. Conceptually, ML gives audiences the verification habits they need to directly combat the deterioration of information. Users preserve what can be called sustainable trust in the digital information ecosystem by honing skills like cross-referencing and triangulation. Therefore, ML seeks to not only uncover false information but also promote creating and disseminating media responsibly is essential to long-term information sustainability.

Global Perspectives and Comparative Evaluation

Although Indian studies have dominated recent discussions, comparative perspectives help us better understand the global role of machine learning. Salameh and Abuhasirah (2025) conducted a survey among journalism students in Jordan and discovered that there was a lack of awareness regarding machine learning before specialized training programs were put in place. Following training, assessments showed significant improvements in critical content analysis and ethical interpretation. Similar findings were reported by Hoşgör and Deniz (2025), who showed that journalism students with higher ML levels have better judgment and are less susceptible to lies on social media. These findings have global implications: by encouraging more ethical journalism practices and yielding measurable gains in credibility evaluation,

machine learning education directly improves the integrity of information distribution.

Curriculum Integration and Teaching Media Literacy

The integration of education is crucial for the efficient development of machine learning skills. McNelly and Harvey (2021) found that teachers' confidence and knowledge varied in their study on their preparedness to use machine learning in the classroom. They argue that regular professional development is necessary for curriculum implementation to be successful. Sinha's (2021) report of low ML awareness among pre-service teachers in Mumbai emphasizes the necessity of integrating ML education into teacher training programs. These empirical findings corroborate the assertions of Raji et al. (2025) that machine learning education in schools enhances students' capacity to recognize trustworthy sources, empowering them to take proactive measures to protect the integrity of information. Even more empirical evidence is in favor of educational integration. Students' self-perceived competence often overestimates their actual abilities, according to Lalduhzuali, Kumar, Buragohain, and Deka's (2022) evaluation of undergraduate ML awareness in Mizoram. This suggests that structured ML curricula are necessary. Similar to this, Kaur (2021) and Kumar (2024) observe that machine learning implementation is challenging for lower-tier Indian educational institutions due to a lack of funding and unequal digital infrastructure. These findings confirm that achieving information integrity at the societal level requires the institutionalization of machine learning at all educational levels.

Development of Theory and Conceptual Underpinnings

Conceptually, critical pedagogy, communication theory, and cognitive psychology all have an impact on machine learning. Safria (2019) provides a thorough account of the transition of media from traditional to digital formats, arguing that each generation needs to adapt its interpretive frameworks to sustain meaningful information interaction. Yanarateş (2020) builds on this theoretical inquiry by mapping the definitional ambiguities of machine learning (ML) and situating it alongside related literacies such as information, digital, and civic literacy. Because ambiguous definitions run the risk of undermining machine learning's transformative educational potential, this analytical clarity is essential. Building on these foundations, Arke (2005) provides one of the earliest quantitative pieces of evidence linking ML training to the growth of critical thinking. By verifying that ML training leads to measurable improvements in analytical reasoning and evidence-based interpretation, the study provides an empirical link between machine learning and cognitive integrity. These skills thus represent the epistemic foundations of sustainable information ecosystems, as users who are trained to question, validate, and contextualize content can prevent the irrational dissemination of misleading information.

Sustainability of Technology and Media Literacy

In addition to cognitive evaluation, maintaining information integrity in the digital age calls for ethical and technological expertise. Fair access to information is necessary to preserve credible media environments, claim Shabbir and Porwal (2025). If inequalities in infrastructure are not addressed, ML initiatives could increase inequality. Kumar (2024) shows how technology-enhanced learning can democratize education and reduce the gap between privileged and underserved students by integrating machine learning (ML) practices into digital pedagogy. Scholars worldwide concur. Raji et al. (2025) assert that ML promotes content accountability, which promotes ethical online behaviour and digital sustainability. As disinformation continues to undermine public discourse, incorporating machine learning (ML) into policy frameworks is becoming an increasingly important aspect of sustainable social governance. Arul Selvan's (2019) conclusion that institutional cooperation—between government, academia, and civil organizations—is essential for successfully scaling MIL programs supports this claim.

Democratic Resilience through Media Literacy

Maintaining democratic systems is inextricably linked to maintaining the integrity of information. According to Pandey (2024) and Tripathi (n.d.), fake news undermines civic stability, polarizes societies, and erodes public trust. ML offers a cognitive defense, enabling people to spot deception and push for truthful reporting. From an ethical standpoint, ML makes transparency possible, encouraging social responsibility and informed citizenship. These abilities are especially

important in the democratic setting of India, where linguistic diversity, digital transformation, and unequal access all come together. According to Sachdeva and Tripathi (2019), social media engagement among young people presents both opportunities and difficulties for political engagement. Digital activism shifts from reactive consumption to informed civic action when backed by machine learning competencies. ML is therefore a democratic necessity as well as an educational reform, supporting ethical, resilient, and participatory information ecosystems.

The Role of Policies and Institutional Frameworks

For ML to effectively preserve information integrity, supportive policy frameworks are required. According to studies like Shabbir and Porwal (2025), awareness of cybercrime and localized content development policies are crucial. Similarly, McNelly and Harvey (2021) emphasize teacher training investments as a means of operationalizing ML pedagogy. Salameh and Abuhasirah (2025) and Hoşgör and Deniz (2025) have provided international examples of successful machine learning implementations driven by institutional policies at universities. Collectively, these pieces argue that preserving information integrity is a policy issue as much as an educational one and calls for systematic, multisectoral collaboration.

Empirical Evidence of Measurable Impact

Quantitative research validates the observable outcomes of machine learning training. Geraee et al. (2019) demonstrated statistically significant improvements in adolescents' behavioral intention to critically process media content after completing structured machine learning programs. Similarly, Arke's (2005) doctoral work confirms the direct relationship between ML instruction and enhanced critical thinking by empirically linking literacy education to sustainable information judgment. These findings lend credence to the notion that machine learning (ML) is more than just an abstract educational concept; it is a measurable element that fosters informationcoherence and cognitive accuracy. In the digital age, when information is abundant but often unreliable, media literacy becomes the primary safeguard ensuring the sustainability of information integrity. The reviewed literature collectively demonstrates that machine learning (ML) enhances civic engagement, ethical judgment, and analytical reasoning—skills critical to thwarting misinformation and fostering democratic resilience. For India and other developing nations to produce moral, critical, and knowledgeable citizens, machine learning (ML) must be incorporated into public policy, teacher preparation programs, and educational systems. Furthermore, extending ML initiatives across demographic and technological divides ensures inclusive and sustainable digital ecosystems. Ultimately, in the age of digital media, media literacy safeguards the epistemic foundations of truth and trust.

Research Gap

The disparity between people's professed media literacy knowledge and their real-world behavior is the main area of unmet research need. People are confident in their ability to understand algorithms and identify misleading information, as shown by numerous studies like this one. However, there is no proof or objective testing to demonstrate that they consistently use these skills whenever they encounter something on the internet. Furthermore, the reasons why people often feel overwhelmed by conflicting information or why their strong sense of shared responsibility does not always translate into proactive actions like exposing false information or scolding their classmates have not been fully explored by research. These actions are necessary in order to genuinely make the digital environment safer for everyone in the long run.

Research Methodology

An outline of the data collection process is given in this section. To measure and describe people's media habits and attitudes, the study used a quantitative survey methodology to gather numerical data. Using Likert scales (e.g., "Agree" or "Disagree"), we developed a structured online survey that included both multiple-choice and fixed-choice questions. The survey was then randomly distributed through professional networks and social media using a convenience sampling

technique. This method allowed us to rapidly collect data from a large number of internet users, yielding a final sample of 117 valid responses that serve as the foundation for the entire analysis.

Research Design

This study utilized a **non-experimental, descriptive quantitative research design**. The design was chosen to systematically measure and describe the characteristics of the target population—specifically, their self-reported media literacy skills and attitudes—as they exist naturally within the digital environment. The descriptive nature of the design is appropriate for profiling media consumption habits and determining the frequency of specific beliefs and behaviours (e.g., cross-checking news). Data collection was executed through a single administration of a structured questionnaire, resulting in numerical data suitable for statistical frequency and percentage analysis.

Methodology

The research mainly relied on a quantitative survey methodology to gather data. An online questionnaire was designed and used which consisted of closed-ended questions, such as multiple-choice items and five-point Likert scales, to maintain uniformity and make numerical analysis easy. The structured format was necessary to define the core research variables explicitly, for instance, self-perceived competence, time spent on platforms, and agreement with statements regarding responsibility. The chosen methodology made it possible to collect data in an efficient way from a population spread over different areas and at the same time, it provided the objective, measurable data needed to solve the research problem.

Sampling

The technique used was convenience sampling. The survey was distributed digitally through a range of online networks, including academic and professional social media platforms. Using this non-probability approach, people were chosen who were most accessible and prepared to respond. Despite being successful in reaching a large number of digitally active people, this method yielded a non-random, self-selected sample. The total number of valid responses was the sample size. The study provides a comprehensive understanding of the cohort of digital natives, despite the sample profile being primarily focused on young adults (ages 18 to 24) and those with higher education (more than a degree); however, the results must be extrapolated to the larger non-digital population with caution.

Data Collection

This study on Media Literacy and the Sustainability of Information Integrity in the Digital Era employed a strict quantitative survey methodology to collect empirical data. A carefully thought-out online questionnaire was created and made available digitally in order to address the four research objectives. A convenience sampling technique was used to distribute the tool across a variety of social media platforms and online professional/academic networks in order to make it available to as many people as possible. This strategy was successful in obtaining responses from a population that is active in the digital world, resulting in a final sample size of 117 valid responses. Thus, the following data set, which is mainly aimed at young, highly educated individuals, offers a focused and thorough foundation for evaluating media literacy skills and controlling information attitudes among the demographic most active in modern digital media.

Data Interpretation

The gathered data was subjected to systematic interpretation to extract meaningful insights aligned with the study's theoretical framework. The analysis is presented thematically across the following four research objectives, ensuring a comprehensive understanding of the digital landscape as perceived by the respondents.

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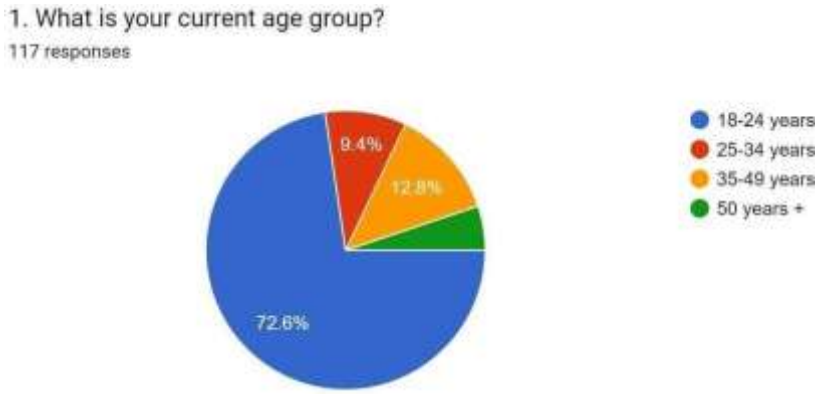

Figure 1

With 72.6% of the 117 respondents being between the ages of 18 and 24, the age distribution is noticeably concentrated on young adults. This demonstrates a vibrant and tech-savvy audience. The remaining age groups are significantly smaller: 25–34 years old (9.4%), 35–49 years old (12.8%), and 50 years and older (minimum). Because of this high concentration, the younger generation (Gen Z/young millennials) is primarily responsible for the media behaviors and literacy skills that are being observed. As a crucial demographic benchmark, their findings offer priceless insight into the digital experiences and information engagement patterns of the future academic and workforce population.

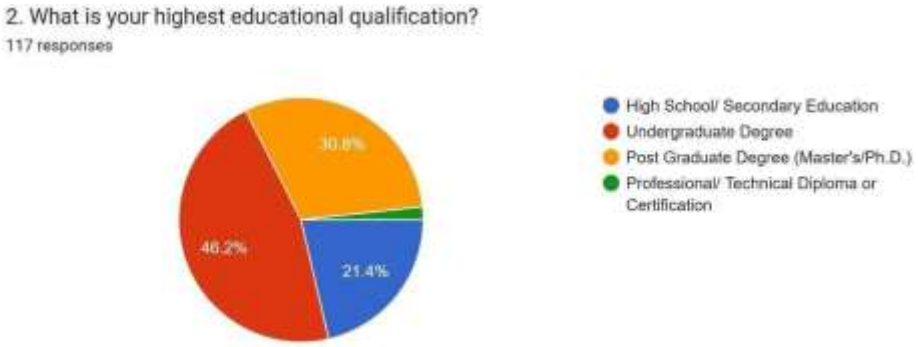

Figure 2

The group of responders has a high level of education. A noteworthy 77.0% possess a bachelor's degree or above, with undergraduate degrees accounting for 46.2% and postgraduate degrees for 30.8%. The highest qualification cited by only 21.4% of respondents was high school. The respondents' strong academic background indicates that they already possess a strong foundation in research, analysis, and critical thinking. Their advanced ability to assess complex information and interact with subtle media literacy concepts is supported by their high level of education

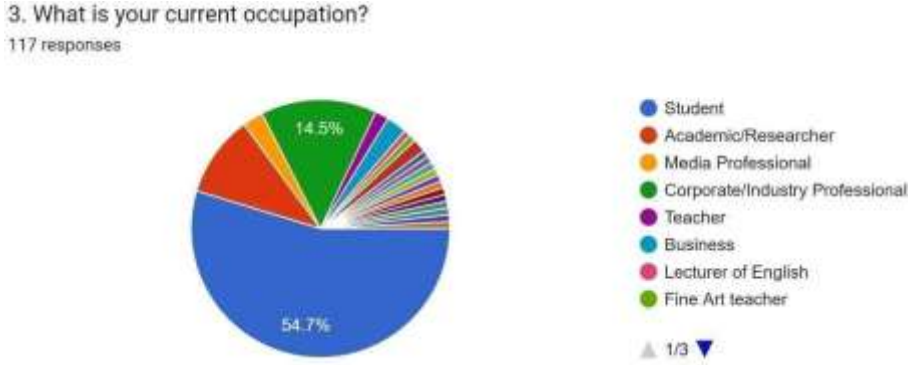

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Figure 3

Students, who make up the largest group (54.7%) and are inherently associated with the dominant 18–24 age group, serve as the occupational profile's anchor. Corporate/Industry Professionals (14.5%) make up the second-largest group. Since the majority are students, their media consumption patterns are frequently connected to scholarly research and education, and the inclusion of academic and business professionals gives the results more nuance and practical relevance. This combination points to a group that is actively involved in both formal educational settings and the real-world demands of the workplace.

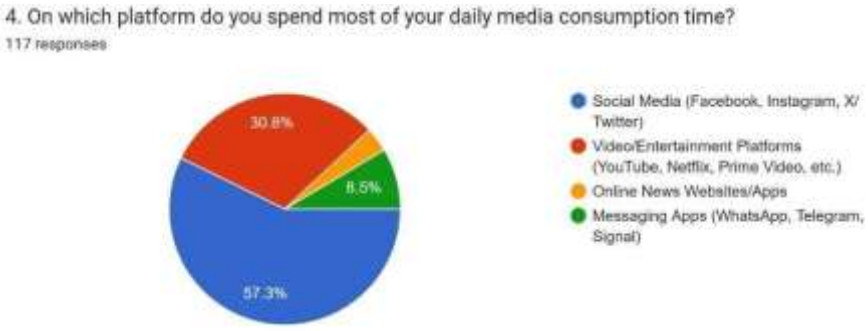

Figure 4

The vast majority of respondents prefer platforms that promote entertainment and social interaction. The most popular platform for 57.3% of daily media consumption time is social media (Facebook, Instagram, X/Twitter). Video/Entertainment Platforms are the second most popular platform (30.8%). This emphasis indicates a predilection for content that is dynamic and algorithm-driven. Since the great majority of their information exposure takes place outside of traditional news sources, media literacy is a crucial skill for their everyday lives, and the high usage of these platforms emphasizes the significance of proficient digital navigation and source verification abilities.

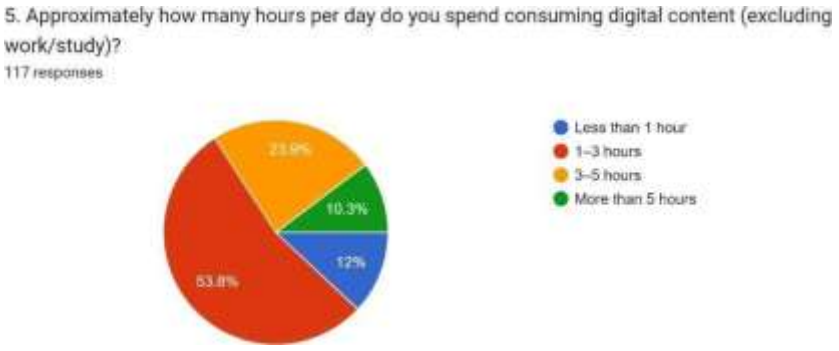

Figure 5

The responders are involved and active online users. 53.8% of people spend one to three hours a day consuming digital content, which is a substantial amount of time outside of work or study. Additionally, a significant 34.2% of users are heavy users, using the service for three to five hours (23.9%) or more than five hours (10.3%). The respondents' high rate of consumption indicates that they have a great deal of experience navigating the ecosystem of digital information. Their ongoing interactions offer a rich setting for media literacy development and practice, highlighting the practical application of their attitudes toward information integrity and their self-perceived skills.

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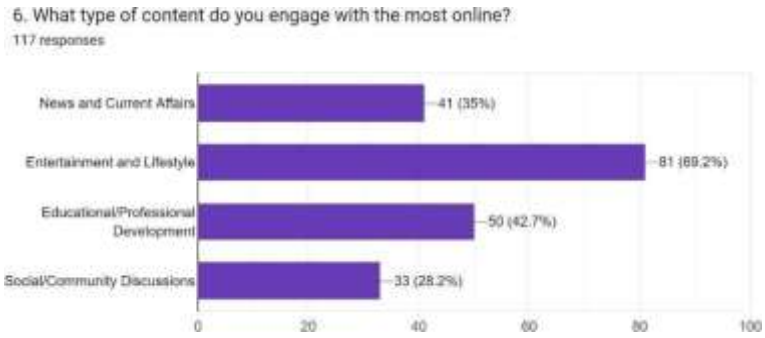

Figure 6

Self-improvement and leisure are the main motivations for online engagement. 69.2% of respondents are most interested in entertainment and lifestyle content. Nonetheless, the 42.7% who interact with Educational/Professional Development content demonstrate a strong dedication to learning. At 35%, news and current affairs are also well-liked. This equilibrium suggests a group that uses the internet for both leisure and self-improvement. A proactive approach to knowledge acquisition is suggested by their active pursuit of educational content, and this provides a solid basis for accepting and pursuing media literacy education.

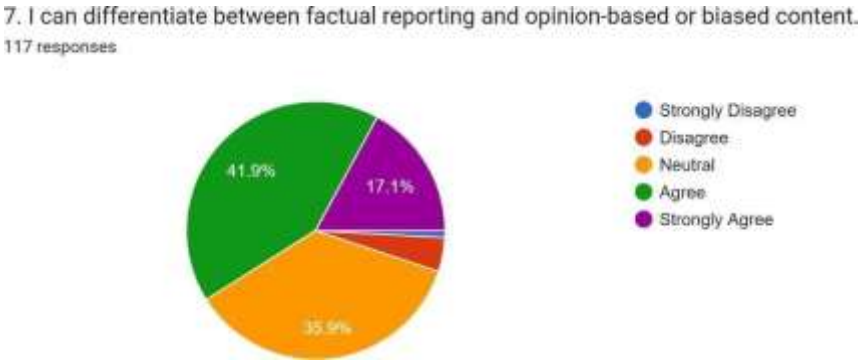

Figure 7

The respondents are quite confident in their basic media literacy abilities. They can distinguish between factual reporting and opinion-based content, according to 59.0% of respondents who either Agree (41.9%) or Strongly Agree (17.1%). For advanced media literacy training, this strong sense of one's own abilities is a great place to start. Although 35.9% are neutral, this could indicate a healthy awareness of the hazy boundaries in online information rather than a lack of skill and a nuanced understanding of the complexity involved in content analysis.

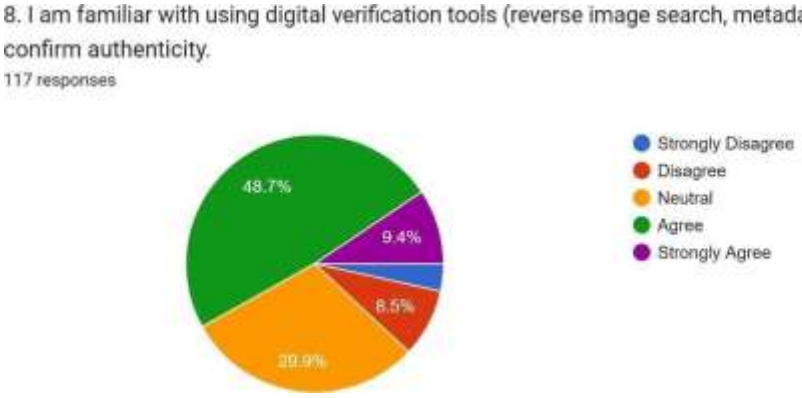

Figure 8

The vast majority of respondents say they are familiar with active verification methods. 58.1% of respondents agree (48.7%) or strongly agree (9.4%) that they use digital tools such as metadata checks and reverse image search. This suggests that proactive source authentication is becoming more popular. The opportunity for skill development is presented by the 29.9% who are neutral, indicating that even though the idea is well-known, regular application can be developed further. In general, most people are at ease with the fundamental practical abilities required to counteract misinformation.

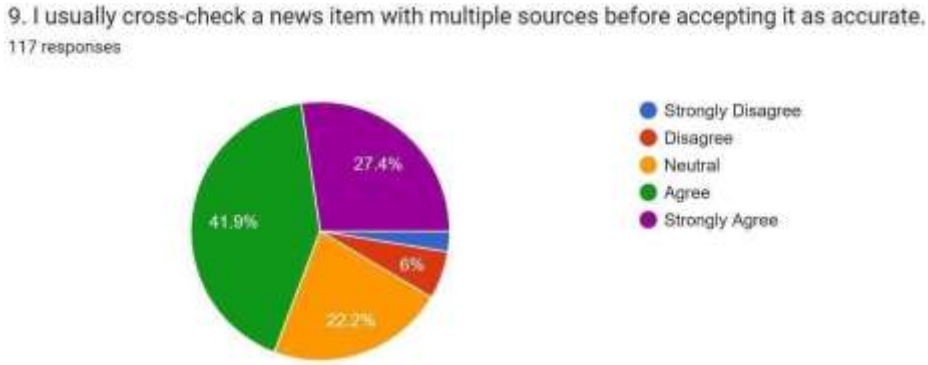

Figure 9

Respondents express a remarkably high level of dedication to thorough information verification. A remarkable 69.3% of respondents either agree (41.9%) or strongly agree (27.4%) that they typically verify news from several sources before accepting it. A broad understanding of the significance of source reliability in the digital age is suggested by the high self-reported adherence to verification protocols. In their everyday media consumption, this strong behavior shows a positive application of critical evaluation skills and a strong sense of personal responsibility for information integrity.

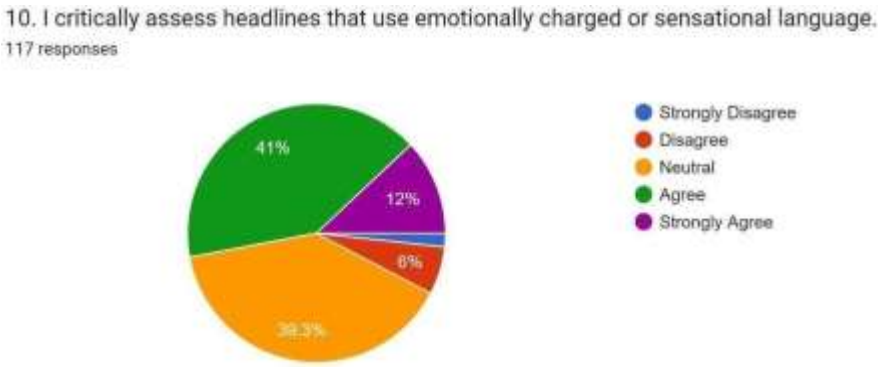

Figure 10

Positive awareness of and protection against manipulative language is demonstrated by the majority of respondents. 53% of respondents agree (41%) or strongly agree (12%) that they evaluate sensational or emotionally charged headlines critically. This knowledge is essential for negotiating the attention economy that exists on their favorite social media sites. The sizable Neutral group (39.3%) indicates that although they comprehend the idea of critical evaluation, there is room to strengthen the regular use of emotional detachment and analysis when interacting with emotionally charged material.

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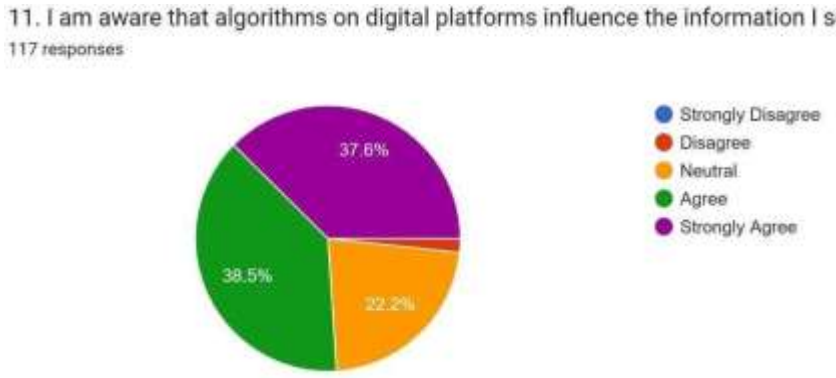

Figure 11

The respondents' awareness of algorithmic bias is extremely high. 76.1% of respondents strongly agree (38.5%) or strongly agree (37.6%) that algorithms on digital platforms affect the information they view. Given that identifying the filter bubble and echo chamber effects is the first step in reducing them, this robust result is essential for media literacy. This generation is well-positioned to actively seek out different viewpoints and engage in critical evaluation because they clearly understand that their information feed is not a neutral reflection of reality, as evidenced by the fact that only 22.2% of them remain neutral.

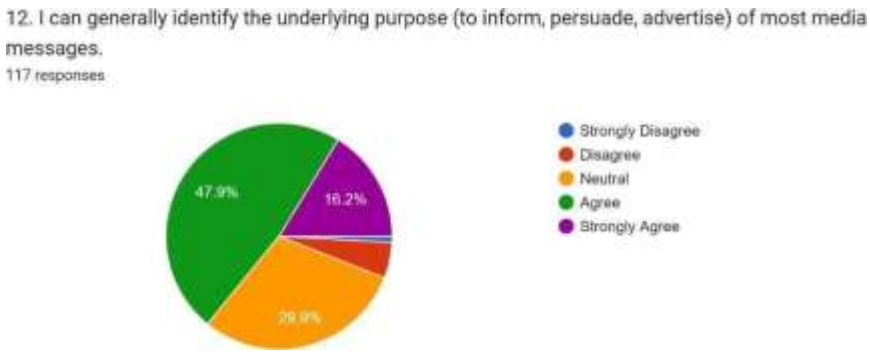

Figure 12

Respondents have a high degree of confidence in their capacity to decipher media messages' underlying intent. 64.1% of respondents agree (47.9%) or strongly agree (16.2%) that they can typically tell whether a message is meant to inform, persuade, or advertise. This implies a robust cognitive filter for media messages, which is a crucial aspect of media literacy. The growing sophistication of sponsored or natively integrated content may be the reason for the 29.9% who choose to remain neutral. All things considered, most have a high self-perceived capacity to interpret media intent, which is essential for fending off deceptive messaging.

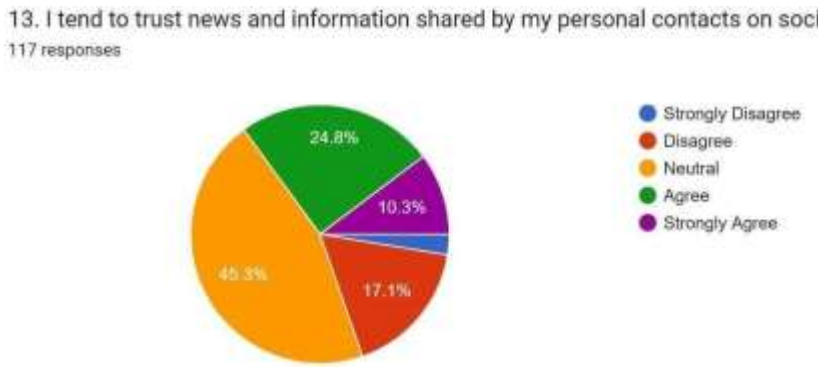

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Figure 13

Information shared on social media by personal contacts is not trusted. 45.3% of respondents are neutral, which suggests hesitancy or conditional trust. Importantly, only 35.1% of respondents agreed or strongly agreed, compared to 18.6% who strongly disagreed or disagreed. Even though the respondents spent a lot of time on social media, the data indicates a healthy skepticism toward peer-shared content. The sizable Neutral segment demonstrates a measured approach to social information and indicates that trust is not granted automatically but is probably assessed case-by-case based on the particular contact and topic.

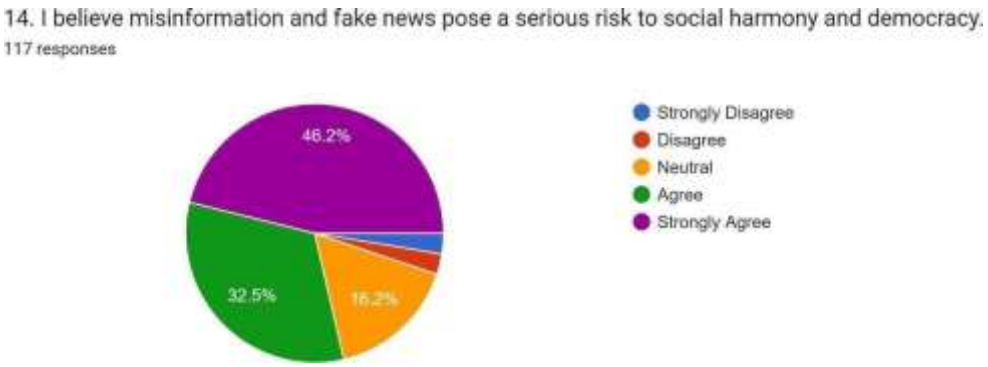

Figure 14

Everyone agrees that misinformation is a serious danger. A staggering 78.7% of respondents either Agree (32.5%) or Strongly Agree (46.2%) that misinformation and fake news represent a significant threat to democracy and social harmony. This finding indicates that the respondents are worried about the wider societal repercussions of information integrity failure in addition to the personal impact. They are strongly motivated to adopt protective behaviors and work together to find solutions because of the high level of collective concern, which is directly related to their sense of responsibility (Objective 3).

Figure 15

Although many people have faith in their abilities, it takes more skill to turn that faith into proactive intervention. 48.7% of respondents Agree/Strongly Agree that when they come across inaccurate information, they take appropriate action (report, fact-check, and share corrections). But a sizable 37.6% are neutral. This implies that even though the respondents are aware of the issue and the steps that need to be taken, they may be discouraged by the perceived personal impact or the effort needed to take action. The Neutral group points out that enabling users to transition from recognition to consistent, active remediation is a crucial area that could be the focus of media literacy training.

ISSN: 2583-6129
DOI: 10.55041/ISJEM.IMCD017

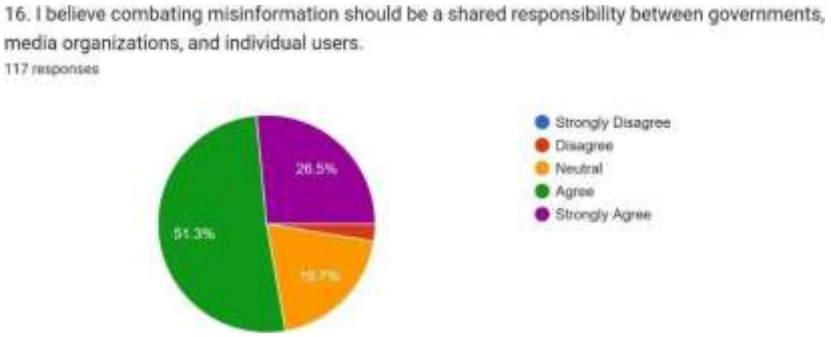

Figure 16

Almost everyone agrees that everyone shares responsibility for maintaining the integrity of information. A resounding 77.8% of respondents either Agree (51.3%) or Strongly Agree (26.5%) that governments, media outlets, and individual users should all share responsibility for thwarting misinformation. This strong endorsement demonstrates a cooperative attitude and disavows the idea that the burden should be placed entirely on one party. This viewpoint serves as the cornerstone for long-term, successful solutions by creating an atmosphere that encourages people to work on their literacy skills collaboratively.

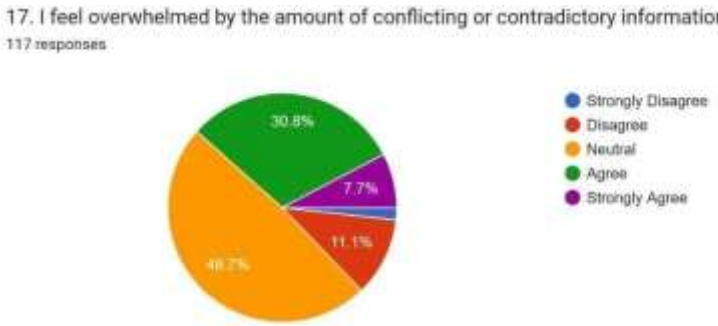

Figure 17

A sizable percentage of respondents suffer from anxiety or information fatigue. When it comes to feeling overloaded with contradicting information, 38.5% agree or strongly agree, while nearly half (48.7%) are neutral. This implies that the sheer amount and complexity of information is exhausting, even though they believe they are highly skilled. The high Neutral response could indicate a conditioned acceptance of ongoing ambiguity or a purposeful approach to emotional detachment. This finding is significant because it demonstrates that, in addition to critical evaluation, emotional resilience and information management are essential components of contemporary media literacy.

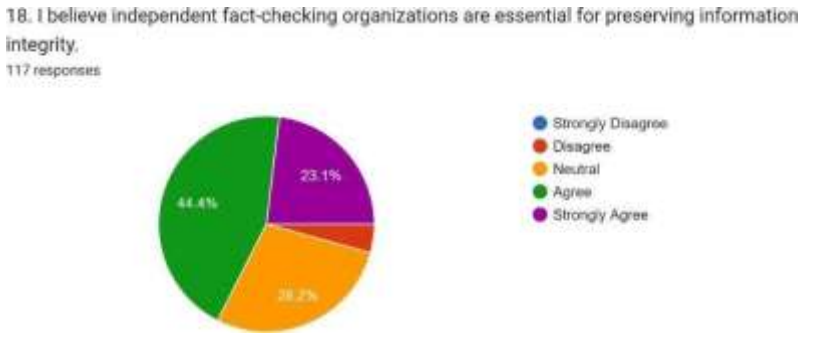

Figure 18

External information security measures are highly valued by respondents. Independent fact- checking organizations are crucial for maintaining the integrity of information, according to 67.5% of respondents who either Agree (44.4%) or Strongly Agree (23.1%). This indicates that institutional verification efforts are highly trusted. Although noteworthy, the 28.2% neutral response does not lessen the high level of agreement overall. By supporting the multi- stakeholder approach (Question 16) and supplementing their own verification efforts (Question 9), this reliance on fact-checkers is a useful tactic to deal with uncertainty and information overload.

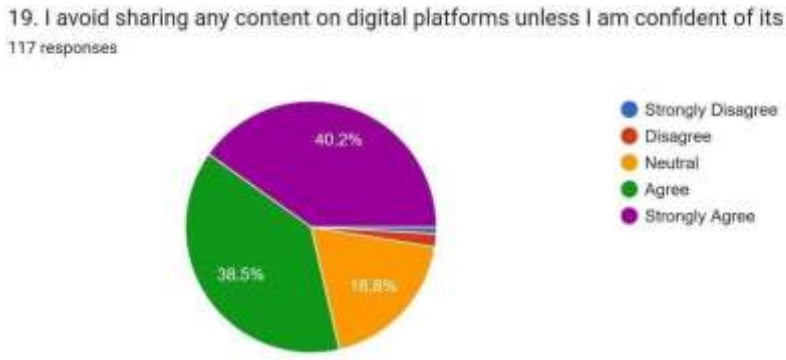

Figure 19

When it comes to sharing content, respondents exhibit a remarkably high degree of self-control and accountability. A resounding 78.7% of respondents either Agree (38.5%) or Strongly Agree (40.2%) that they refrain from sharing content unless they are certain of its accuracy. This demonstrates the strong link between awareness and action and demonstrates a strong commitment to ethical digital citizenship. They demonstrate their personal commitment to the shared responsibility of maintaining information integrity by being willing to pause before sharing, which is a key component in stopping the viral spread of false information.

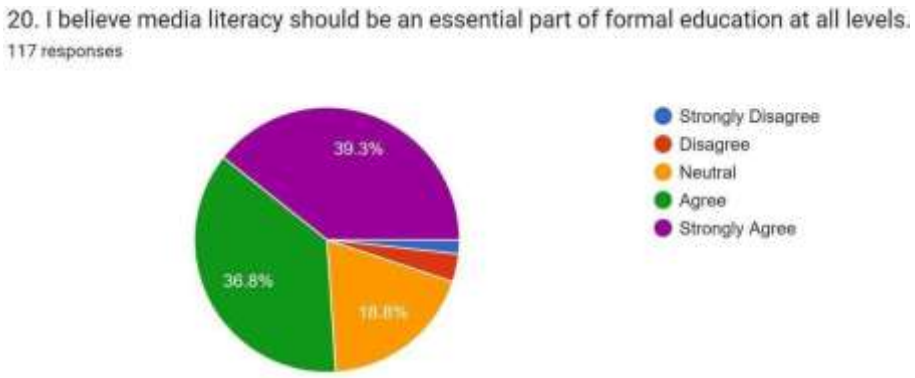

Figure 20

The idea of including media literacy in formal education is widely supported. A total of 76.1% of respondents agree (36.8%) or strongly agree (39.3%) that media literacy ought to be a required component of all levels of formal education. Research objective 4 is satisfied by this strong endorsement, which shows that structural change is clearly and widely viewed as necessary and desirable. This finding is a strong call for educational institutions to prioritize and implement comprehensive media literacy curricula in order to prepare future generations, especially since the majority of respondents are highly educated students.

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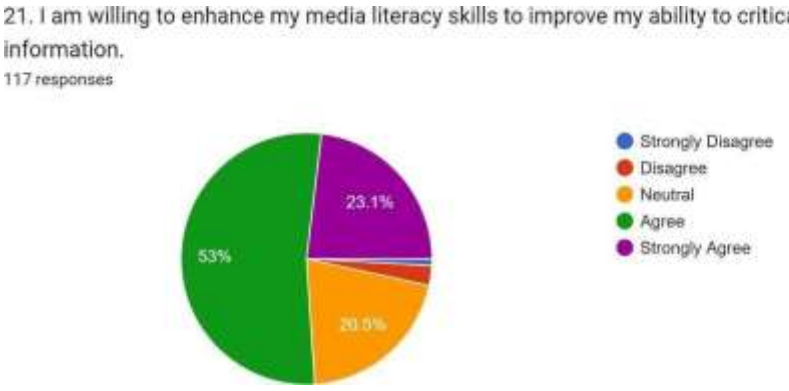

Figure 21

A resounding majority of respondents express a desire to improve their media literacy. A resounding 76.1% of respondents either strongly agree (23.1%) or agree (53%) with the statement. This supports the widely held belief that teaching media literacy is essential (Objective 4). This strong mandate shows that this group is proactive and open to formal or informal training aimed at enhancing their capacity to evaluate information critically from the internet. This eagerness to learn implies that this group would be highly engaged and participate in any future educational interventions.

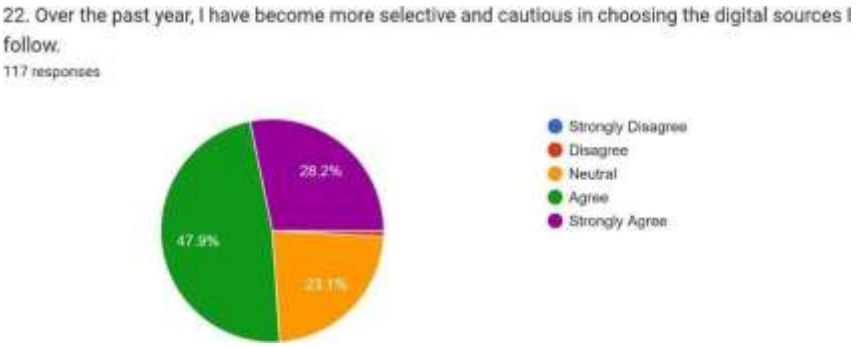

Figure 22

A notable positive behavioral shift toward more critical media consumption is confirmed by the data. Over the past year, 76.1% of respondents agree (47.9%) or strongly agree (28.2%) that they have become pickier and more cautious when selecting digital sources. This is an example of a learning curve in action, where prior encounters with false information or an abundance of information have prompted more cautious source selection. Their increased vigilance and self-correction highlight how their growing media literacy skills are put to use in their everyday digital routines.

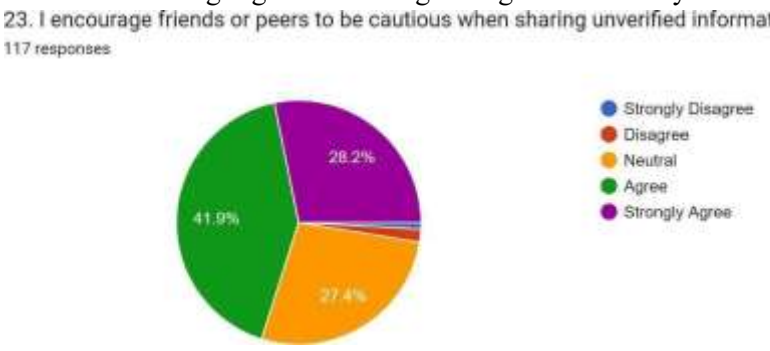

Figure 23

The respondents show a favorable propensity to encourage prudence among their social networks. 70.1% of respondents

agree (41.9%) or strongly agree (28.2%) that they advise friends and peers to exercise caution when disseminating unconfirmed information. This demonstrates their readiness to take on personal accountability at the community level and actively contribute to the group's endeavor to preserve the integrity of the information. A robust, expanding culture of digital ethics is suggested by the large majority of proactive peer educators, even though 27.4% are neutral.

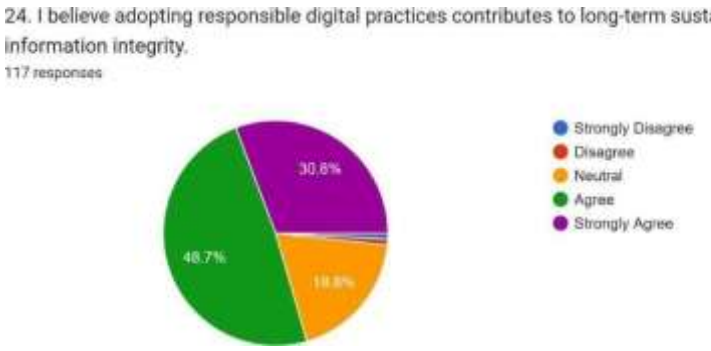

Figure 24

The respondents exhibit a strong philosophical commitment to the eternal significance of digital ethics. A resounding 79.5% of respondents either strongly agree (30.8%) or agree (48.7%) that implementing responsible digital practices helps ensure the long-term viability of information integrity. Their attitudes have culminated in this finding, which connects their shared responsibility (Question 16) and personal actions (Question 19) to a significant societal objective. This broad agreement demonstrates their conviction that each person has the ability to influence the future of the digital information ecosystem in a constructive way.

Discussion

The Discussion chapter makes reference to the survey results and places them in the global context of Media Literacy and Information Integrity Sustainability in the Digital Era. The research analysis is based on four primary research objectives and has been statistically combined to yield robust findings regarding the digital behaviors, competencies, and normative attitudes of the respondent population.

Examining Media Consumption Trends

The first objective aimed at determining questionnaire respondents' media consumption by analyzing data that depict a clear picture of an actively engaged group of digitally native people. The group was notably young, with the majority (72.6%) falling within the 18–24 age range. Furthermore, a high degree of educational attainment was indicated by the fact that the majority of people (54.7%) were students (77.0% having a degree or more). Without this demographic context, it would be very difficult to understand the observed behaviors, which are the practices of the younger generation that has had to live in a world of digital immersion. The consumption statistics also tell an interesting story. Social media accounts for 57.3% of daily media consumption, followed by video/entertainment platforms (30.8%). Due to this trend, commercial logic, personal network dynamics, and proprietary algorithms—rather than editorial standards—determine the primary information source for the majority of people. In addition, many respondents say they spend three or more hours a day consuming content outside of work or school. Such extensive exposure undoubtedly gives the respondents plenty of opportunity to acquire and practice digital literacy, even though it may also make them more vulnerable to misleading information. Despite the content's primary focus on entertainment and lifestyle (69.2%), the respondents' strong commitment to educational/professional development (42.7%) was clear. This implies a purposeful strategy for digital engagement that not only incorporates but also strikes a balance between leisure and personal development. This leads us to the conclusion that whether or not the truth of information is maintained depends on the literacy skills of the audience, which are primarily derived from platforms that do not prioritize the truth.

Assessing Self-Perceived Media Literacy Skills

The second research goal looked at the self-perceived skills of the respondents. The findings show that they were very confident of their cognitive and technical abilities. As critical evaluation was their strongest suit, 59.0% of the respondents agreed that they could tell factual reporting from opinion-based content, and 64.1% of them were of the opinion that they generally identify the underlying purpose (inform, persuade, advertise) of media messages. Besides that, 53% of the respondents agreed that they vigorously evaluate the news whose headlines evoke their emotions or are sensational. The fact that they point to the most common manipulative tactics of the attention economy and declare that they make conscious efforts not to fall for them is a strong indication that they are very critical of such tactics.

Moreover, the respondents are very much aware of the problems that the digital world is throwing at them. As many as 76.1% of them understand that algorithms influence the information, they see which means they are very well acquainted with the "filter bubble" phenomenon. Most people who hold this view (76.1%) can also confirm that they are not only aware of but also comfortable using digital verification tools like reverse image search, according to 58.1% of respondents. Because of their combination of technical proficiency, critical evaluation, and cognitive filtering, this group sees the internet as active, self-aware navigators rather than as something that is passively delivered to them. A significant "Neutral" group consistently appears in skill-related questions such as the fact/opinion differentiation question (35.9% neutral), indicating that despite the notable level of confidence, many people still find digital content so complex that they choose not to take sides and thus acknowledge the difficulty of absolute verification.

Attitudes Toward Misinformation and Perceived Responsibility

Objective three dived into the respondents' behavior. They showed a strong commitment to keeping information accurate. Nearly all agreed that misinformation poses a serious risk to social harmony and democracy, with 78.7% in agreement or strong agreement. This perception of risk drives their proactive behaviors. The findings around proactive action is impressive. A notable 78.7% reported they avoid sharing any content unless they are sure of its accuracy. This shows a strong commitment to responsible digital citizenship and self-censorship for the public good. A further 69.3% agreed that they cross-check news items with multiple sources. Although over one-third felt overwhelmed by conflicting information (38.5%), they have turned this fatigue into caution instead of retreat. Moreover, respondents demonstrate a solid understanding of the issue. An impressive 77.8% believe that tackling misinformation should be everyone's job, including governments, media, and individual users. This supports a collaborative model for managing information. This perspective is backed by 67.5% who acknowledge the important role of independent fact-checking organizations. They also showed skepticism towards trust in news from their immediate social circle, as many remained neutral (45.3%) about trusting news shared by friends, highlighting a preference for checking information through institutions or verifying it themselves.

Perceived Necessity and Willingness for Formal Media Literacy Education

The final objective confirmed a strong demand for formal media literacy training. It also showed that respondents are open to such initiatives. A clear call for change exists: 76.1% of respondents strongly agree or agree that media literacy should be a key part of formal education at all levels. Given the large number of students and well-educated individuals in the sample, this finding sends a strong message to educational policymakers. In addition to this external demand, there is a noticeable internal push for ongoing improvement. The same 76.1% expressed a desire to improve their media literacy skills. This willingness goes beyond theory. It shows in actual behavior changes, with 76.1% reporting they have become more selective and careful about the digital sources they follow over the past year. This self-correction and increased attention are crucial for maintaining information integrity. Lastly, respondents want to share their learning. About 70.1% said they encourage friends and peers to be careful. This peer education strengthens their commitment to ethical digital behavior; according to 79.5% of them, it contributes to the preservation of social norms and the long-term sustainability of the entire information ecosystem.

Implications for Synthesis and Information Integrity

The combined findings present a nuanced but optimistic assessment of information integrity's long-term sustainability. The study found that this group of digital citizens is highly responsible, self-aware, and involved. They have the means and the integrity to refute misinformation. Their high self-perceived media literacy is the reason behind their proactive actions, such as cross-checking, refraining from sharing, and carefully selecting their sources. However, the results also indicate serious challenges. Because algorithm-driven media consumption platforms are so common, constant attention to detail is required. Additionally, the widespread feeling of being overwhelmed by conflicting information emphasizes how important it is to incorporate emotional coping strategies and resilience into literacy training. Additionally, the widespread feeling of being overwhelmed by conflicting information emphasizes how important it is to incorporate emotional coping strategies and resilience into literacy training. The general desire for formal media literacy training is ultimately one significant finding that stands out. Rather than being a sign of weakness, this demand acknowledges that the battle against misinformation is a constantly changing issue. It takes institutional support and ongoing education to preserve the information integrity required for a robust democracy and a peaceful society. Therefore, if the information environment is to remain sustainable, educators and policymakers must respond to the urgency and willingness already shown by the population of digital natives.

Conclusion

The results of the study indicate that a population that uses digital devices views media literacy as an essential part of civic responsibility. This is crucial for maintaining the accuracy of information in the digital age. A demographic that is predominantly young, highly educated, and heavily reliant on social media and other algorithm-driven platforms was successfully identified by the study. The respondents demonstrate a high degree of self- awareness and competency. They show a high degree of confidence in their capacity to evaluate information critically, spot algorithmic bias, and take proactive measures like strict self-censorship before disseminating and verifying information from multiple sources. Together with a common understanding of the perils of false information, this proactive approach shows a strong commitment to responsible digital citizenship. The most significant outcome is the clear public demand for systemic change. This is demonstrated by the majority's support for incorporating media literacy into formal education at all levels, indicating both the perceived necessity and the desire to support skill development.

Limitations of the study

The following limitations should be kept in mind when interpreting the results:

1. The convenience sampling method led to a sample that is not generalizable. It is focused mainly on young adults (18–24 years) and well-educated individuals, which limits the relevance of the findings for older or less-educated groups.
2. The study relies on self-reported data (Likert scales) to assess media literacy skills. This may be affected by social desirability bias, which could result in an overestimation of actual skills.
3. The study did not include objective performance tests (like live fact-checking tasks) to verify the self-reported skills from the respondents.

Suggestions for Future Research

1. Replicate the study using a better sampling method, such as stratified or random sampling, to include a broader and more representative range of ages and education levels for better external validity.
2. Conduct mixed-methods research that combines the current quantitative survey with qualitative interviews or focus groups. This will help explore the reasons behind self- reported behaviours and the frequent "Neutral" responses.
3. Create and implement objective performance tests to compare respondents' self- assessment of media literacy skills with their real ability to identify disinformation.
4. Investigate how effective specific media literacy programs and educational curricula endorsed by respondents are, to find out which methods result in the most significant and lasting behavioural changes.

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