## ROLE OF TYPOGRAPHY AND VISUAL HIERARCHY IN DRIVING ENGAGEMENT IN ONLINE ADS WITH REFERENCE TO COLLEGE STUDENTS IN NAVI MUMBAI

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**ABSTRACT**

*This study explores how the design choices in online advertisements specifically typography and visual arrangement shape the way college students in Navi Mumbai pay attention, understand and respond to digital ads. With online spaces becoming increasingly crowded and competitive, advertisers are getting more dependent than ever on thoughtful design to cut through the noise, communicate their messages clearly, and prompt viewers to take action. This study focuses on how people process information and respond to visual stimuli, investigating how different typographic choices like font style, size, spacing, readability, and contrast and the way content is organized on the page, influence whether viewers notice an ad, remember it, understand its message, and feel inclined to engage with it.*

*In this study a structured online questionnaire was distributed to 150 undergraduate and postgraduate students. Participants were shown advertisements with deliberate variations in typography and layout and asked to evaluate them based on how easy they were to read, how visually clear they appeared, how well they captured attention, how memorable they were, and how likely participants would be to interact with them. Responses were recorded on a five-point Likert scale. Descriptive statistical analysis demonstrated that advertisements featuring legible, well-structured typography and strong visual hierarchy yielded significant improvements in attention, comprehension, and retention. Bold, readable headlines combined with sufficient spacing and high text-background contrast were found to enhance perceived credibility and engagement, while cluttered layouts and weak typographic contrast were shown to diminish attention and reduce interaction intentions.*

*The findings indicates that the typography and visual hierarchy aren't just about making things look nice but they're practical tools that make ads easier to process mentally, help guide the viewer's eye naturally, and encourage positive responses. When visual information is organized logically and presented clearly, people can absorb it faster, remember it better, and feel more positively toward what they're seeing. For anyone working in advertising, design, or digital marketing especially those targeting young, digitally savvy audiences the takeaway is very straightforward that is prioritize readability, maintain a clear visual order, and keep things visually uncluttered if you want your ads to resonate and perform.*

*This research contributes empirical evidence from an Indian urban context to the fields of advertising and media studies, demonstrating both the practical and theoretical significance of integrating typographic and hierarchical design principles into online advertising strategies. By emphasizing the functional role of visual design, the study provides actionable insights for enhancing user engagement and maximizing advertising effectiveness in digital environments.*

*Keywords: Typography, Visual Hierarchy, Digital Advertising Engagement, Information Processing, College Students*

## INTRODUCTION

The explosion of digital media has fundamentally rewritten the rules of advertising, turning the internet into a chaotic battlefield of visual noise. Today, ads aren't just on websites; they are woven into the very fabric of our social feeds, apps, and streams, creating an environment where we are never truly "off" from commercial influence. This constant barrage has led to a major hurdle for brands: the harder it is to avoid ads, the easier it has become for users to ignore them. For the younger generation especially, "getting noticed" is no longer a matter of being present it is a matter of strategic visual survival (Teixeira, Wedel, & Pieters, 2012).

In this landscape, college students are perhaps the most important demographic. They are digital natives who live their lives through screens, balancing everything from lecture notes to social lives on their devices. In a fast-paced urban center like Navi Mumbai, these students are submerged in a digital culture where smartphone usage is constant. For an advertiser, the challenge is clear.

Typography and visual hierarchy are the two "silent" drivers behind this impact. Typography is often misunderstood as just choosing a font, but it actually dictates the "voice" of the message. It influences whether a student trusts a brand or finds it credible, and it triggers emotional responses that happen long before the text is even read (Lupton, 2014). If the spacing is cramped or the contrast is off, the brain experiences "visual friction,"

which usually results in the student moving on to the next post. On the other hand, clean, well-executed type makes information feel effortless to digest (Shaikh, Chaparro, & Fox, 2006).

Visual hierarchy works as a guide for the eyes. Because we know that online users tend to skim rather than read, the way an ad is organized using size, color, layouts and tells the viewer what matters most (Ware, 2013). A strong hierarchy respects the viewer's time by reducing the "brain power" needed to understand the ad (Lavie, 2005). We can see this in eye-tracking research: ads with a clear, logical structure get noticed faster and held onto longer, leading to better memory of the brand (Pieters & Wedel, 2004).

Theoretically, this all comes down to how we process information. Our brains have a limited capacity for what we can pay attention to at once; we naturally gravitate toward things that are organized and easy to map out (Lang, 2000). Gestalt principles tell us that we look for patterns, proximity, and contrast to make sense of the world (Palmer, 1999). When an ad ignores these rules, it becomes part of the "noise." When it follows them, it achieves "engagement" a mix of attention, emotion, and action (Calder, Malthouse, & Schaedel, 2009).

Despite how much we know about design, there is a surprising gap in research when it comes to the specific habits of Indian urban college students. This study aims to fill that void. By focusing on how students in Navi Mumbai interact with typographic and hierarchical elements, this research seeks to uncover what actually drives engagement in a local, real-world context. The goal is to move beyond generalities and provide a clear picture of how thoughtful design can bridge the gap between a brand and a distracted young audience.

## REVIEW OF LITERATURE
In this contemporary world where everything is digital, visual design has shifted from being a mere aesthetic choice to a survival requirement for brands. As our digital spaces become more chaotic and crowded, the way an ad is structured specifically through its typography and visual hierarchy dictates whether a user stops to look or simply swipes past. Experts in the field argue that in these "attention-starved" environments, the skeletal structure of an ad often does more heavy lifting than the actual sales copy (Pieters & Wedel, 2004; Ware, 2013). This is especially true because modern users don't read, they scan. Research across psychology and marketing consistently shows that the "look and feel" of an ad triggers engagement long before the brain processes the written message (Teixeira, Wedel, & Pieters, 2012).

Typography has been widely studied as a determinant of readability, credibility, and emotional tone in advertising messages. It isn't just about making words legible it is about building an immediate sense of trust or excitement. Research indicates that legible fonts, appropriate spacing, and clear contrast improve comprehension and recall, while decorative or complex typefaces can lead to cognitive overload and disengagement (Shaikh, Chaparro, & Fox, 2006; Dyson, 2004). Parallel research on visual hierarchy highlights the role of layout organization, focal points, and alignment in guiding visual attention and reducing cognitive effort (Ware, 2013).

## KEY THEORIES AND MODELS
Several theoretical frameworks underpin research on typography and visual hierarchy in digital advertising. The **Limited Capacity Model of Mediated Message Processing** (Lang, 2000) explains how individuals possess finite cognitive resources, suggesting that visually organized advertisements are more likely to be processed effectively. **Information Processing Theory** further supports the notion that clear visual structure reduces cognitive load, thereby enhancing comprehension and memory (Lavie, 2005).

Gestalt principles of perception explain the "magic" of how we group things together. Whether it's through proximity (putting related things close together) or figure-ground distinction (making the main subject pop against the background), these rules help us make sense of a complex image instantly (Palmer, 1999). Finally, the Visual Attention Theory in Advertising reminds us that attention isn't just a bonus it is a prerequisite. If the headline isn't prominent or the contrast isn't sharp, the ad never even clears the first hurdle of being noticed (Pieters & Wedel, 2004)

## THEMES AND FINDINGS
A consistent theme across prior studies is the positive relationship between visual clarity and consumer engagement. Empirical research demonstrates that advertisements with strong visual hierarchy generate higher attention, improved recall, and more favorable attitudes toward brands (Pieters, Wedel, & Batra, 2010). Typography studies further reveal that font congruence with message tone enhances perceived credibility and emotional response (Childers & Jass, 2002).

Another dominant finding is that cluttered layouts and poor typographic contrast negatively affect user engagement. Such designs increase cognitive load, resulting in reduced attention spans and lower interaction

intentions (Lavie, 2005). For the younger, tech-savvy generation, a well-structured ad is more than just information; it's a signal of professional quality. If the design is polished and easy to navigate, they are far more likely to engage with and share that content within their social circles (Resnick & Albert, 2014).

## RESEARCH METHODOLOGY

### Research Design
This study uses a quantitative, descriptive research design to understand and examine the influence of typography and visual hierarchy on engagement with online advertisements among college students in Navi Mumbai. A quantitative approach is appropriate as the research seeks to measure user perceptions, attention, recall, and engagement intentions. The descriptive design allows for systematic analysis of how visual design elements affect user engagement in digital advertising contexts.

### Objectives of the Study
The objectives of the study are:

1. To examine the influence of typography on readability and message recall in online advertisements.

2. To analyse the role of visual hierarchy in directing user attention and improving information processing.

3. To assess the impact of typographic clarity and contrast on attitudes toward online advertisements.

4. To evaluate the relationship between visual design quality and engagement intentions among college students.

### RESEARCH HYPOTHESES
- H1: Online advertisements with clear visual hierarchy attract higher levels of user attention than those with weak visual hierarchy.

- H2: Advertisements using legible and well-structured typography result in higher message recall.

- H3: Strong typographic contrast positively influences attitudes toward online advertisements.

- H4: Well-organized visual hierarchy positively affects engagement intentions such as clicking, sharing, and interaction.

### Sampling
The population for the study comprises undergraduate and postgraduate college students in Navi Mumbai. This group was mainly selected because of their frequent exposure to digital media platforms and active engagement with online content. A sample of approximately 150 students from various colleges across Navi Mumbai was selected to ensure diversity in academic background, including Arts, Science & Commerce

### Sampling Technique
The study uses a convenience sampling technique, wherein respondents were selected based on accessibility and willingness to participate. This technique is suitable for exploratory and perception-based studies involving student populations and enables efficient data collection within time and resource limitations.

### Data Collection Method
Primary data were collected through a structured online questionnaire via Google Forms. Participants were exposed to selected online advertisements designed with varying typographic and visual hierarchy characteristics. They were then asked to evaluate the advertisements in terms of readability, visual clarity, attention, recall, and engagement intentions.

The questionnaire consisted of closed-ended statements measured using a five-point Likert scale, ranging from "Strongly Disagree" to "Strongly Agree."

### Data Analysis Techniques
The collected data were coded and analysed using Microsoft Excel. Descriptive statistics were used to summarize respondents' demographic profiles and perception levels.

### Scope of the Research
The scope of the study is limited to online display advertisements and focuses specifically on typography and visual hierarchy as visual design variables. The research examines engagement among college students in Navi Mumbai and does not account for other influencing factors such as brand familiarity, advertising content, platform algorithms, or cultural differences. Behavioural and physiological measures of engagement, such as eye-tracking or click-through data, are also beyond the scope of the present study.

## RESULTS AND FINDINGS

The analysis of data collected from college students in Navi Mumbai provides valuable insights into how typography and visual hierarchy influence engagement with online advertisements. The findings are presented under key thematic areas aligned with the study objectives.

### Demographic Profile of Respondents

The respondents primarily consisted of undergraduate and postgraduate students from Arts, Science, and Commerce streams. The majority of participants were within the age group of 18–24 years, representing a digitally active demographic with high exposure to online media. Both male and female respondents were adequately represented, ensuring balanced perspectives on visual advertising elements.

### Perceptions of Typography

The data clearly shows that for the students surveyed strongly believe that typographic clarity isn't just a "nice-to-have" it's a dealbreaker for an ad's success. Participants consistently rated ads higher when the text was easy to read, appropriately scaled, and given enough "breathing room or breathing space" through smart spacing. These elements weren't just about aesthetics; they directly dictated how well the students understood the actual message.

One of the most striking takeaways was the power of the headline. Bold, high-contrast headers acted like an anchor for the eyes, significantly boosting how much of the ad the respondents could actually remember later. On the flip side, ads that tried to be too "artistic" with decorative fonts or failed to provide enough color contrast backfired. Respondents found these designs frustrating and confusing, which had a secondary effect. In their eyes, if an ad was hard to read, the brand itself felt less trustworthy. Ultimately, the feedback pointed toward a "less is more" philosophy. Students overwhelmingly preferred clean, minimalist, and well-organized typography that allowed them to grasp the point of the ad almost instantly.

### Impact of Visual Hierarchy on Attention and Recall

The findings reveal that visual hierarchy plays an important role in understanding and sustaining attention. Advertisements with clear layout organization, defined focal points, and effective use of colour contrast were more successful in directing users' visual attention. Respondents reported higher recall levels for advertisements that presented information in a logical flow(movement), beginning with prominent headlines followed by supporting content. Conversely, cluttered layouts with excessive elements were associated with reduced attention and lower message retention.

### Engagement Intentions

In terms of behavioural engagement, respondents indicated higher intentions to click, share, or interact with advertisements that were visually appealing and hierarchically organized. Well-designed advertisements were also perceived as more trustworthy and professional, increasing the likelihood of social sharing among peers. Overall, the findings support the view that effective typography and visual hierarchy positively influence engagement intentions among college students.

## CONCLUSION

This study set out to examine how the design choices around typography and visual hierarchy affect the way college students in Navi Mumbai engage with online advertisements demographic that lives and breathes digital media and encounters ads constantly throughout their day. In an online world where people scroll rapidly, how information looks on the screen has become every bit as critical as what it actually says.

Drawing on established theories related to how people process information, direct their visual attention, and perceive what they see, the research aimed to uncover whether clear, readable typography and thoughtfully structured visual layouts could genuinely influence whether students notice ads, understand them, and feel motivated to engage.

Using a quantitative research approach, the study examined students' responses to advertisements designed with varying typographic and visual hierarchy features. The findings clearly support the study's hypotheses and show that advertisements with legible typography and a clear visual hierarchy perform better across multiple dimensions of engagement. Such advertisements were more successful in capturing attention, improving message comprehension, and enhancing recall among college students. These results highlight that design elements are not simply decorative, but play a crucial and important role in determining advertising effectiveness.

One of the key conclusions of the study is that typography has a direct impact on how smoothly advertising messages get absorbed. When ads incorporated fonts that were easy to read, sizes that felt appropriate, spacing

that didn't feel cramped, and sufficient contrast between the text and its background, students reported finding them both clearer and more credible. These thoughtful design decisions lightened the cognitive burden, enabling viewers to quickly grasp what was being communicated. In contrast, ads with messy or hard-to-read typography created visual discomfort, caused attention to wander, and left messages poorly retained. This aligns well with theories around cognitive load and information processing, which argue that people are naturally more inclined to engage with material that feels straightforward and undemanding.

The findings also underline the crucial role of visual hierarchy in guiding user attention. Advertisements with a logical and well-structured layout helped students identify important information without confusion. A clear sequence of visual elements such as headlines, images, and supporting text encouraged users to stay engaged and improved recall. In contrast, cluttered advertisements with weak hierarchy disrupted attention and reduced interaction. These observations reinforce the relevance of Gestalt principles and visual attention theories, which stress the importance of organization, contrast, and focal points in effective visual communication.

From a practical perspective, the study delivers useful takeaways for anyone in advertising, design, or marketing who wants to connect with younger audiences. The evidence suggests that ads which look polished and are laid out thoughtfully stand a much better chance of cutting through the digital noise and prompting real actions whether that's clicking through, sharing content, or developing interest in a brand. For college students who face an endless parade of ads every single day, the quality of visual design often becomes the deciding factor in whether something gets ignored or actually noticed.

Overall, this study contributes to advertising and media research by providing empirical evidence of the importance of typography and visual hierarchy in digital advertising, particularly within an Indian urban context. It shows that successful online advertising isn't just about crafting persuasive messages it's equally about presenting those messages in visually coherent and accessible ways. By prioritizing clarity, readability, and strong visual organization, advertisers can create more engaging advertisements that resonate with young, digitally active audiences and enhance overall advertising effectiveness and impact.

## REFERENCES

Calder, B. J., Malthouse, E. C., & Schaedel, U. (2009). An experimental study of the relationship between online engagement and advertising effectiveness. *Journal of Interactive Marketing, 23*(4), 321–331. doi:10.1016/j.intmar.2009.07.002

Childers, T. L., & Jass, J. (2002). All dressed up with something to say: Effects of typeface semantic associations on brand perceptions and consumer memory. *Journal of Consumer Psychology, 12*(2), 93–106. doi:10.1207/S15327663JCP1202_03

Dyson, M. C. (2004). How physical text layout affects reading from screen. *Behaviour & Information Technology, 23*(6), 377–393. doi:10.1080/01449290410001715714

Lang, A. (2000). The limited capacity model of mediated message processing. *Journal of Communication, 50*(1), 46–70. doi:10.1111/j.1460-2466.2000.tb02833.x

Lavie, T. (2005). Perceived and classical aesthetics of web sites as predictors of user satisfaction and intended use. *Behaviour & Information Technology, 24*(4), 269–281. doi:10.1080/01449290410001723453

Lupton, E. (2014). *Thinking with type* (2nd ed.). Princeton Architectural Press.

Palmer, S. E. (1999). *Vision science: Photons to phenomenology*. MIT Press.

Pieters, R., & Wedel, M. (2004). Attention capture and transfer in advertising: Brand, pictorial, and text-size effects. *Journal of Marketing, 68*(2), 36–50. doi:10.1509/jmkg.68.2.36.27794

Pieters, R., Wedel, M., & Batra, R. (2010). The stopping power of advertising: Measures and effects of visual complexity. *Journal of Marketing, 74*(5), 48–60. doi:10.1509/jmkg.74.5.48

Resnick, M. L., & Albert, W. (2014). Measuring engagement with online content: Conceptual and methodological issues. *Journal of Usability Studies, 9*(3), 1–15.

Shaikh, A. D., Chaparro, B. S., & Fox, D. (2006). Perception of fonts: Perceived personality traits and uses. *Usability News, 8*(1), 1–8.

Teixeira, T., Wedel, M., & Pieters, R. (2012). Emotion-induced engagement in internet video advertisements. *Journal of Marketing Research, 49*(2), 144–159. doi:10.1509/jmr.10.0207

Ware, C. (2013). *Information visualization: Perception for design* (3rd ed.). Morgan Kaufmann.

**APPENDIX**

**1) Which of the following best describes your current status?**
a. Undergraduate

b. Postgraduate

**2) Which academic stream do you belong to?**
a. Arts

b. Science

c. Commerce

**3) How often do you come across online advertisements on digital platforms?**
a. Very frequently

b. Frequently

c. Occasionally

d. Rarely

**4) How frequently are you exposed to online advertisements during daily digital media use?**
a. Very Frequently

c. Frequently

d. Occasionally

d. Rarely

**5) The typography used in the advertisement made the content easy to read.**
a. Strongly Disagree
b. Disagree

c. Neutral

d. Agree

e. Strongly Agree

**6) The font style used in the advertisement appeared clear and appropriate for the message.**
a. Strongly Disagree
b. Disagree

c. Neutral

d. Agree

e. Strongly Agree

**7) The font size used in the advertisement helped me read the message comfortably.**
a. Strongly Disagree

b. Disagree

c. Neutral

d. Agree

e. Strongly Agree

**8) Proper spacing between letters and lines improved my understanding of the advertisement.**
a. Strongly Disagree

b. Disagree

c. Neutral

d. Agree

e. Strongly Agree

**9)  Strong contrast between text and background made the advertisement visually clear.**

a.  Strongly Disagree

b.  Disagree

c.  Neutral

d.  Agree

e.  Strongly Agree

**10)  The visual layout of the advertisement helped me immediately notice important information.**

a.  Strongly Disagree

b.  Disagree

c.  Neutral

d.  Agree

e.  Strongly Agree

**11)  The headline of the advertisement effectively captured my attention.**

a.  Strongly Disagree

b.  Disagree

c.  Neutral

d.  Agree

e.  Strongly Agree

**12)  The advertisement guided my eyes naturally from the headline to supporting content.**

a.  Strongly Disagree

b.  Disagree

c.  Neutral

d.  Agree

e.  Strongly Agree

**13)  The organization of visual elements reduced confusion while viewing the advertisement.**

a.  Strongly Disagree

b.  Disagree

c.  Neutral

d.  Agree

e.  Strongly Agree

**14)  The advertisement was easy to understand at first glance.**

a.  Strongly Disagree

b.  Disagree

c.  Neutral

d.  Agree

e.  Strongly Agree

**15)  I was able to remember the main message of the advertisement after viewing it.**

a.  Strongly Disagree

b.  Disagree

c.  Neutral

d.  Agree

e.    Strongly Agree

**16) The visual design of the advertisement encouraged me to engage with it.**

a.    Strongly Disagree

b.    Disagree

c.    Neutral

d.    Agree

e.    Strongly Agree