

Digital Content Strategy: Detailed Review of the Key Content Components

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Abstract—The modern life of businesses is categorically reliant on their established position online, where digital (and particularly website) content plays a significant role as the first point of information. Digital content, therefore, becomes essential – from making the first impression through to the building and development of client relationships. Despite a number of valuable papers suggesting a strategic approach when dealing with digital data, other sources often do not view or accept the approach to digital content as a holistic or continuous process. Associations are frequently made with merely a one-off marketing campaign or similar. The challenge is in establishing an agreed definition for the notion of Digital Content Strategy (DCS), which currently does not exist, as it is viewed from an excessive number of angles. A strategic approach to content, nonetheless, is required, both practically and contextually. We, therefore, aimed at attempting to identify the key content components, comprising a DCS, to ensure all the aspects were covered and strategically applied – from the company’s understanding of the content value to the ability to display flexibility of content and advances in technology. This conceptual project evaluated existing literature on the topic of DCS and related aspects, using PRISMA Systematic Review Method, Document Analysis, Inclusion and Exclusion Criteria, Scoping Review, Snow-Balling Technique and Thematic Analysis. The data were collected from academic and statistical sources, government and relevant trade publications. Based on the suggestions from academics and trading sources, related to the issues discussed, we revealed the key actions for content creation and attempted to define the notion of DCS. The major finding of the study presented Key Content Components of DCS and can be considered for implementation in a business retail setting.

Keywords—Digital content strategy, digital marketing strategy, key content components, websites.

I. INTRODUCTION

NOTWITHSTANDING the predominant position in the business sector, academically the phenomenon of DCS has hardly been noticed or, possibly, at least poorly presented in literature. A significant number of papers has been devoted to digital marketing, websites’ success [1]-[7], usability and user experience (UX) [8]-[10]; whereas, the strategic process of achieving successful (more importantly profitable and relationships-building) content is hardly noticeable. Even when mentioned, it does not indicate that the content is valued as a company’s asset, rather being viewed as another marketing technique, despite the dominating role of websites as the first point of interaction with a company or enquiry, thus, missing the opportunity for engagement with prospective clients.

Meanwhile, potential customers evaluate the company [11]-[13], its financial stability and willingness to share useful

information for free, as digital users are “accustomed to free information” [14, p.64] and associate a high-quality website with the company trustworthiness [15]-[19] and credibility [20]-[23]. Furthermore, even though the aspect is often identified as significant in business, the majority of companies prefer to ignore it or just associate content strategy with marketing strategy and/or a one-off or a series of marketing campaign(s), which leads to numerous limitations for a company and its business.

It would be easier if an occasional digital visitor returns to the website; however, a single visit could end up there, if this visit was associated with a negative first impression. Moreover, a website evaluation could take several (7-10) seconds [24] or even (50) milliseconds [11]; approximately or 100-160 ms or 130-440 ms maximum for the websites with higher complexity and order [25]. Therefore, the first impression from the website is crucial.

Even if the first burden is taken (of acquiring a favourable first impression), there is still a challenge of keeping the targeted audience interested during the first session, and if/when they decide to return to the site. The standards and the substance of the actual content provided should, therefore, be carefully considered as the key reason for the visit.

Modern customers prefer multichannel shopping, using a variety of devices, and their online behaviour significantly fluctuates [26], [27], seeking a variety in service/price, which creates high competition, particularly among the companies with high brand awareness [28], [29]. The users’ expectation bar is being raised with new experiences and a history of using other websites [12].

Furthermore, the perception of digital content and the digital behaviour of customers keep changing. From one side, modern companies encounter the issue of continuously rising of raising demands from digital customers for better online experience; on the other hand, the digital standards, provided by other companies in the market, also keep increasing. Thus, catching up with the best online experiences and technology could be compared to climbing up a mountain, which in turn keeps growing upwards with the speed of a rocket. These circumstances create competition among companies, where digital users expect digital excellency from any company, even though they might have as yet experienced it only once. On the other hand, raising demands neither are necessarily reflected in the loyalty of digital users, nor do they indicate any intention by them to make a purchase. At the same time, some companies still dare to provide websites with a dated and cluttered design,

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where it is hard to find free space among the information, which could only be found as “useful” by the software designers and company owners/management teams, not consumers. Companies often present intermittent content on their websites, publishing merely disconnected articles with sporadic regularity. These digital data neither present any (or may possibly slight) interest to the digital readers, nor are they expected on a regular basis, let alone the purpose for these data, which often represent just marketing.

The “majority of the companies do not have any documented content strategy in place” [30]. Evidently, there was a number of attempts in the employment of strategic approach in the areas of enterprise product content strategy [31], medical websites [32], [33], social media [34]-[36], online and publishing [37], visual images [38], mobile phones [39], [40], general application [41], [42] and many more fields. The issue, however, is that viewing content strategy from the area of specialisation (e.g., editors and marketers) through to the actual approach to data management (e.g., as a process, experience, communication, etc.), the notion of DCS (or even content strategy, which DCS is a part of) is not agreeably defined to offer a common (or similar) contextual definition. Different sources provide rather misleading and confusing descriptions, carrying different meanings in a variety of contexts, as the term is immensely confused with other notions [43]. Dependent “on who you are and what you need to do, content strategy can mean a few different things” [44].

II. METHODS

A. Research Tool

The process lasted one year, August 2021 - September 2022.

TABLE I
ADAPTED SYSTEMATIC ANALYSIS USING PRISMA APPROACH

Nr of results generated from the search	Researched Aspect				
	Content	Content Analysis and Technology	Content Marketing	(Digital) Content Strategy	(Digital) Content Strategy models
Database search	62,514,811	4,556,536	4,752,243	6,289,061	2,709,354
Additional sources	7,890,000	5,770,000	4,310,000	6,500,000	6,390,000
Duplicates removed	4,250,322	1,311,912	20,274	1,947,488	620,888
Screened records	58,264,489	3,244,624	3,022,391	4,341,573	2,088,466
Excluded records	55,887,460	399,524	20,274	2,373,514	1,565,350
Full-text articles	2,377,029	2,845,100	3,002,117	1,968,059	523,116
Excluded full-text articles	2,376,616	2,844,712	3,001,833	1,967,517	523,084
Studies in qual. synthesis	413	388	284	542	32

B. Data Collection

The data were collected for the *scoping review* (Fig. 1) from academic sources and relevant trade publications, as integrative approach generates “new knowledge about the topic reviewed” [58], to include such sources as: ‘ProQuest’ Business database, e-journals and newspapers, ‘ABI INFORM’ e-journals, ‘MINTEL’ and ‘Key Note’ databases, ‘COBRA’ e-books, ‘WARC’ e-journals, ‘YouTube’ online videos of conferences and presentations. We accessed printed and electronically available sources. We emphasise that, when the documents are evaluated, the practical component should be considered as more than containers of text. “Documents serve purposes and

We adopted *preferred reporting items for systematic reviews and meta-analyses (PRISMA)* method and selected document analysis among other qualitative techniques, as it is “used to gather data primarily in the form of words and symbols describing and interpreting constructs of interest” [45, p.6]. In PRISMA, systematic review allowed for a collection of the evidence, relevant to the stated criteria to answer a specific research question, using explicit, systematic methods to minimise bias, ensuring reliable results [46], [47]. Although the method could not always be optimal, the overwhelming evidence of researchers using it successfully is apparent [48]-[57]. The process included stages such as: (a) setting precise objectives with an explicit, reproducible methodology; (b) a methodical examination with the intention to find all studies, meeting the eligibility criteria; (c) checking the validity of the results of the included studies, i.e., risk evaluation of potential bias; and (d) systematic presentation and synthesis of the findings (Table I). *Meta-analysis* involved the application of statistical techniques to incorporate and review the findings of included studies [48]. The four-phase flow process included phases such as: ‘Identification’, ‘Screening’, ‘Eligibility’ and ‘Included’. The first phase involved searching databases and other sources to identify relevant records for the review. Then the duplicates were removed; and the records are screened again to exclude the unnecessary ones. The detailed analysis of full-text articles was then conducted to assess the eligibility, some of which were again excluded for various reasons. After the eligibility phase, the included studies were used in qualitative synthesis and meta-analysis [48, pp.2-4].

have intended audiences, they are created by individuals or groups within socio-historic contexts and can be deployed both quantitatively (e.g., content analysis) and qualitatively (e.g., discourse analysis) to become an excellent source of attitudes, social values and societal trends.” [59]

C. Review and Filtering

The materials were reviewed and filtered for their significance to the research, filtered for inclusion/exclusion criteria [60]. The analysis contained peer-reviewed academic articles only; officially acknowledged databases; field-recognised official events (presentations, webinars, seminars

and interviews); business and not-for-profit organisations' websites. The received list was compared with the existing sources, mentioned as primary by other researchers, adding some of the studies to the list, those either not found by their

own search or excluded during initial reviews. We also scanned the references mentioned in the most relevant sources, using the "Snow-Balling" technique [61] to ensure other potential primary studies were included.

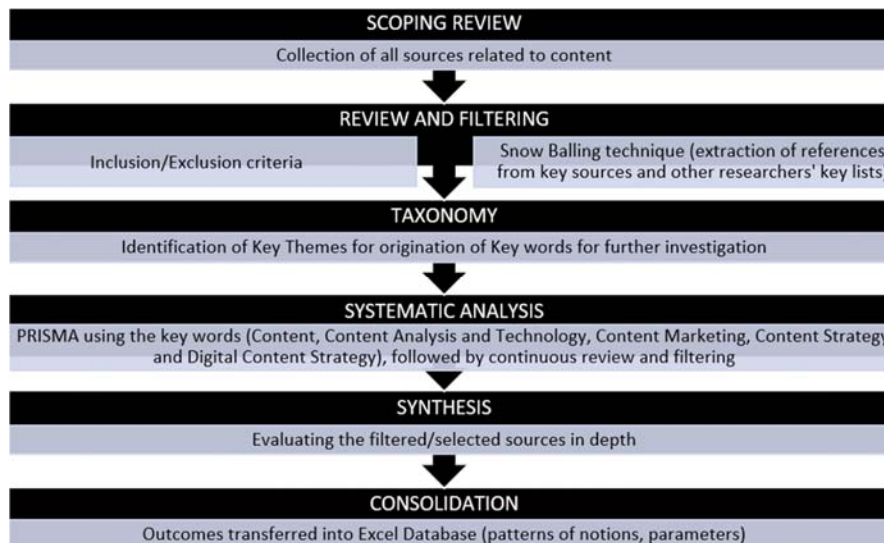


Fig. 1 Scoping Review Process

D. Consolidation and Taxonomy

After the initial familiarisation, the received data were then consolidated into a database and researched closely, extracting the data required for scrutiny. *Thematic Analysis* was further applied for more comprehensive understanding of the phenomena and providing crucial insights of "what is known", underpinning the research strategy and design [62, p.6]. This analysis ensured the description of researched phenomenon via pinpointing, examining and recording "themes" or patterns in the collected data [63].

E. Synthesis

Familiarising with the collected data, prudently reading each source to validate "all the challenges/practices" used to shape the initial ideas for analysis [63], [60], had been followed by generation of codes/taxonomy to identify the keywords with reference to the context of discussion. The next step was identification of themes, using the codes (e.g., content analysis, content management system, etc.). The themes were then thoroughly analysed and defined with allocation of codes to them.

III. KEY ACTIONS FOR CONTENT CREATION

Considering content creation process, we highly recommend Content Strategists to include the following key actions, when creating a piece of content, i.e., (1) clarification of the reason for creation; (2) searching for similar existing data; (3) specifying content marketing details; (4) agreeing the visuals; (5) listing of technical requirements; (6) assigning roles and responsibilities; (7) aligning with content calendar; (8) checking suitability; (9) considering content re-use and lifecycle; (10) developing SEO and keywords; (11) ensuring

timely delivery of this content; (12) updating inventory (unless automatic); (13) ensuring maintenance (review, update and archiving); (14) considering benchmarks and other ways of evaluation and measurement; as well as (15) internal and external review (Table II).

The outcomes of this research work allowed the researchers to insist on the application of a strategic approach to content planning, creation and management, evaluating a number of key content components, comprising the DCS, to ensure the process, being continuous and holistic, covers all the relevant aspects.

IV. KEY SUGGESTIONS FROM ACADEMICS AND PROFESSIONAL FIELD EXPERTS

Despite the significance of DCS, there is at present a little evidence that companies in the UK (or globally) are DCS-based. Contrariwise, companies merely base their digital content on the organic publishing, barely using a strategic approach. Insincere marketing messages are currently dominating websites with notorious homogeneity; whereas, even modern teenagers are quite aware of marketing tricks and techniques, as digital users "...want real, authentic offerings from transparent and honest sources" [64], [65, p.4]. Thus, the approach to digital content (most likely and at the very least) has to be reconsidered.

1. Foundation Content Components

First and foremost, it is necessary to highlight that basic existence online is possible. This way, some companies merely manage to register online, opening websites, and have some elementary actions, relevant to content, such as: *planning and creation* of content, which is usually happening only once (e.g.,

writing a description of a product or service), assigning products and services to a particular *category*, with approximate identification of *targeted audience*, labelling or *taxonomy*, and, finally, using basic *tracking/conversion leads* (e.g., track the page visits and the time spent on the website). In this case, their digital approach to content, nonetheless, is primitive; therefore,

the outcomes from the content are limited, whether this relates to the basic selling of products/services or even has further implications on the strategic position for the company. These content components ensure online existence, not more; therefore, it is highly recommended to develop further actions and strategy to achieve the desired financial future

TABLE II
KEY ACTIONS FOR CONTENT CREATION

Nr	Key Actions	Details
(1)	Clarification of the reason for creation and expected action	Clarify the reason(s) for content creation (if there is the need and to avoid duplication) and what is expected from the digital user, particularly the targeted audience
(2)	Searching for similar existing data	Identify what content already exists in relation to the required one (to re-use/ to add, ensuring the symbiosis)
(3)	Specifying content marketing details	Specify the audiences, channels, location, timings, keywords for search/UGC, set measurements for the outcome and expectations
(4)	Agreeing the visuals	Making sure this piece of content is in unison with the rest of the website, together with some infographics, images, videos, etc. required
(5)	Listing of technical requirements	List all the technical requirements for each piece of content for displaying and actions by digital users, if required (visuals, links, etc.)
(6)	Assigning roles and responsibilities	Assign the responsibilities for this content (creator, publisher, amender, authoriser, etc.)
(7)	Aligning with content calendar	Ensure this piece of content is created in accordance with the planned calendar
(8)	Checking suitability	Check its suitability (in terms of various factors – from basic editorial, substance and structure to company’s strategy and technology)
(9)	Considering content re-use and lifecycle	Consider content re-use (see points 1-3) and potential modifications, e.g., context, technology, channels, etc., as well as the whole content lifecycle
(10)	Developing SEO and keywords	Develop keywords for the search engine optimisation (SEO)
(11)	Timely delivery of this content	Ensure this content is published, in the right place and at the right time
(12)	Updating inventory (unless automatic)	Update the content inventory: content name, location, direct link, description and dates (unless the system does it automatically)
(13)	Maintenance (review, update and archiving)	Ensure this content is maintained (set up the timing for review and removal/archiving)
(14)	Evaluation and measurement	Evaluate this content (using set up measurements), UX and report to the team/stakeholders
(15)	Internal and external review	Review this piece of content (internally and via user research)

2. Technology Content Components

Modern digital users are surrounded by the ineluctable need for the internet and gadgets, as well as finding themselves using several devices simultaneously on a regular basis [40], [66], particularly Generations ‘X’, ‘Y’ and ‘Z’, who just acquired mobiles as adolescents or even earlier [67], [68]. Hence, the content is expected to be device-flexible, specifically on mobile phones [39], [69]-[72], the number of which continue rising – from 4.9 billion in 2018 to (expected) 6.7 in 2023, with 8.7 billion handheld or personal mobile-ready devices [73, p.10].

Practitioners also advise that the content layout be flexible, fluid and responsive [74, p.41], [75, p.108], [40]. Scholars insisted “many online ventures have failed not because of the products that are being sold on the website, but due to the poor design of the website itself” [76, p.472]. Internal system has to manage these expectations; whereas, organisations often do not build in-house *content management system (CMS)*, despite numerous suggestions (independency and bespoke design) [77]-[79], as only a few companies have the resources [79].

Practitioners also insist the system being flexible for non-technical users and provide an inventory (compulsory for content audit), recording all the relevant data for each piece of content. In terms of *SEO (search engine optimisation)*, companies nowadays use external assistance in order to build or get suggestions for the keyword search. It is also vital for SEO to be adapted to the prospective customers’ way of searching for a product/service/problem-solving solution.

The absence of (non-agreed or inactive) content-related

processes/procedures and/or *roles/responsibilities* within an organisation, despite recommendations from professionals [41], makes the attitude and publishing processes hectic, spontaneous, disconnected and reactive. Content Strategists, nonetheless, stress that “Content Strategy is not about technology. It is – how people can work together” [40], as defining “ownership and roles”, as well as having vibrant and official processes/procedures is essential to know the key stages and what is expected from everyone [37], [44].

As the crucial part of *information architecture (IA)*, *navigation* assists content in being easily and logically discovered [16], [80]-[82], [75], being positioned no more than two-three clicks away [10, p.11]. “Well structured content leads to more opportunities for reuse across product lines, audiences, and information products”, and also “to greater return on investment”, which ensures consistency and effectiveness [83, p.380]. Researchers emphasise structuring content, introducing taxonomy/labelling, navigation, organisation and search [84] with the need for direct investments to IA [85], [69] to display the latest technology.

Investment in technology is, undoubtedly, the key, as “The information should be found and be accessible” [83, p.5], especially digital [41, p.57], [37], [40]. Academics also insist on discovering user abilities and their requirements [33], [70], [86]-[88], developing website content and design [89]-[92], [19], [79], website management systems and models [93], [79], and, particularly, *analytical reviews* and website success metrics [94]-[99] with regular reporting and external/internal

benchmarks [44]. Researchers, however, still agree that the content is far more crucial than technology [12], as this is what the digital user is coming for in the first place [44], and even though the design is still the second, it is coming close in significance [100].

3. Marketing Content Components

A number of authors [101]-[104] agree that content marketing is devoted to producing quality content that is “unique, significant, valuable, dynamic and more relevant than its competitors” and introducing the following three pillars, characterising *content marketing*: contents, customers’ engagement and goals [99, p.96]. The key approach is in the overall marketing view about the meaning of what is attempted to communicate, separate from the actual physical form [105], considering external *media channels*, frequency of publications and consistency in messages across them [12]. Key industry specialists insist on “clean, well-structured base of content to work from”, i.e., “PODE (Publish Once and Distribute Everywhere)” [106]. Overall, it is essential to know the audience, as “Authors know their subject. Editors specialize in knowing the audience” [107, p.25].

When evaluating their own financial position, companies find regular *research* as unnecessary and expensive practice, making it impossible to follow dynamic market changes, client needs and the best way of presenting these data; whereas, research always brings unexpected and valuable results. Furthermore, researchers recommend involving users via *co-creation* and *user generated content (UGC)* [37], being focused on the customer’s need for information and content contribution, strategically identifying “which content is served up, to whom, and when” [12].

As customers, for instance, “Millennials are digitally savvy and connected, emphasis on the online experience is crucial for engagement and can make the difference” [108], *usability* of a website has a dramatic impact for them; hence, website users’ ability could be significantly improved, if companies provided “right” information on their websites [19, p.28]. A “simple, usable Web site would be perceived as more credible than a site that has extravagant features but is lacking in usability” [16, p.67]. Although not always affordable [10], *usability and UX (UX)* tests are highly recommended [109]-[113], including “what people do most often on their mobile devices” and “what they’re intending to do on any specific visit”, as “devices get more powerful and cheaper” [39, loc 73].

Gamification as an entertainment and attainment of positive associations, brings motivational aspects and a sense of discovery, when dealing with this content. Practitioners from ‘BBC’ R&D, for example, noticed direct correlation between entertaining/playful content and the perception of this website as being engaging, even when the interaction was not “quite right”, for instance participants prefer watching a video with a skip option and a news topic with both sides of opinions, using videos [114]. *Gamification* as an additional stimulus for an enriched shopping experience and boosted engagement heavily relies on electronic innovations [115], where an integration into various applications has already been effectively applied in

education, healthcare, retail and entertainment [116]. According to ‘Statista’, only the VR (virtual reality) market, for instance, is expected to grow from less than five US Billion Dollars to more than twelve within a three-year period, i.e., 2021-2024 [117], and global annual growth is expected to reach fifteen per cent from 2022 to 2030 [118]. Despite the availability of diverse opportunities, the VR implementation in retail has been slow [119], [120]. Research, nonetheless, suggests adopting this creative personalised innovation to endure market competition [115], [121] as one of a few. Other digital features for the visual and entertaining experience could also be considered.

4. Content Substance Components

The empowering of the website role provides an excellent venue for building a relationship with prospective clients as an atypical marketing scenario, creating the reasons for prospective clients “to return regularly, thereby fostering a sense of loyalty and strengthening the relationship” between the company and its customers via a dialogue with prospective clients [9, p.51].

Formatting (grammar and aesthetics) are other aspects to consider. “Even one typographical error or a single broken link is damaging” [16, pp.67-68]. “Visual complexity and order” highly influence users’ first impressions of webpages, which identifies potential customers’ attitudes and subsequent behaviours [25, p.1345]. Research suggests prioritising appearance and consistency of aesthetics in the mobile-application design, as it impacts users’ emotions [122, p.1081], and “users’ first impression is significantly affected by the differences in aesthetics but marginally influenced by the difference in perceived usability” [123, p.870].

There will always be a dilemma in proportional presentation online, where some content remains almost unchanged (reputation/brand-sensitive information, recognisable features and the skeleton of content) and the other content provides dynamic material (active market position, entertaining and useful content). These live data reach out to prospective customers, build new and develop existing relationships via sharing values, information about products/company and are otherwise useful to clients. If the live data are omitted or only present on social media, this would significantly limit the intended reach. Another dilemma is in the proportional presentation of facts/statistical data with business/product-relevant content. The former assists prospective clients in companies’ evaluation among the competitors; whereas the latter (if creative and substantial for the readers’ needs/interests) equally contributes to the website’s usefulness and, therefore, selection of this company. Distinguishing companies within one field is often hard among “a homogenized presentation” [124, p.5]; therefore, using a creative approach in presentation/technology/substantial content is essential, where publishing is strategically planned. “Opportunities and rewards... increasingly will be the product of creative thinking and thoughtful planning, not good fortune.” [124, p.3]

Designing also differs for various devices, as the colour salience and location of a website link are visually perceived

differently by the mobile and PC users, where the colour attracts “users’ attention and increase users’ sense of control over the process” [125, p.547]. Already in 2001, Fogg et al. insisted that sites have to be arranged in a way that makes sense to customers, deducting credibility points for ease-of-use problems [16, p.67]. Modern users do not have time or desire to discover a company’s information, and if the company does not provide it, it is hard to find or it is poorly presented/expressed, users will leave to find it elsewhere.

Researchers and practitioners [41], [37], [74], [75], [126] agree on the overall importance of the actual content over navigation, as users “want answers to their needs and not your site map” [75, p.52]. It is suggested to use a story, where possible, as one of the easiest content-perceived ways [127], high-quality, client-focused, relevant, timely and *engaging content* [37], [44]. The aspect of “completeness of content” has also received an immense scholars’ discussion, among other factors [4], [5], [15], [19], [128]-[130]; although earlier research [131] did not identify the correlation between the website information quantity and website popularity. Later, however, the information comprehensiveness became the first or second most important element [129, pp.85-86].

Apart from getting initial attention from the basic triggering in the headlines, it is necessary to consider the actual *substance* of the articles. Companies, nevertheless, often ignore or just simply are not aware of the topics, which could indicate high interest from the targeted audience, thus not suggesting any relevant topics or substantial quality content to the readers during their first visit, let alone to those, who are returning to the site. This behaviour indicates no intention from companies to develop existing and to build prospective customer relationships via creating an interest, although academics state that this is essential [132]. Content limitations could also lead to the boring and standard content dominating the site. It is certainly useful to have some expected content, though *creativity* is still highly valued and required. Prospective clients do not have time or desire for discovering company’s excellence if their website looks the same as any other. One of the limitations would be in the absence of both video options (shorter and detailed) or even hardly having any videos at all. Many universities, for instance, do not provide thought-provoking articles with substantial content, which would not only be interesting to read for the digital users, but also to share with their families and friends. Andersen and Batova stated that web content requires multiple formats and consistency in messages [58, p.254]. Visual aspect is crucial for engagement, as human perception is recognised to be mostly visual, where 95% of the business-to-business clients favour optimised content, short, visual and mobile [72], [133]. It is “visual appeal and entertainment” offered by a company as “Playfulness is the intrinsic reaction towards the shopping activities that a customer engages in” [134, p.274]. Digital users prefer seeing information in shorter text though in more visual content [72]. Pictures are easier to understand, beyond the linguistic and cultural barriers, and more likely to be shared, as it is “eye-catching and has a direct effect on human emotions” [133, p.89]. Prospective students, for instance, like watching videos

on the university’s webpages to get a real feel for what it might be like to study at this university [135], as well as realistic photography and 360-degree images [104]. Thus, engaging Generation ‘Z’, for example, could be via the use of highly visual ad formats, such as full-screen interstitials, in-app categories like arts and entertainment, hobbies/interests, sports, style/fashion, food/drink, shopping and travel [66]. Recent tendency to offer the readers two options of videos, as apparently readers will watch longer videos, if the subject is interesting to them. Furthermore, the content could be presented in a sequence of series, published during regular periods, leading towards a particular action or idea. Numerous UK companies also replaced some long unreadable legal pages with plain language, as highly advised by professionals, demonstrating respect to their customers [37, p.11]. Creative but planned approach could be in devoting one of the content series to useful information, related to the companies’ products/services, using relevant equipment and the industry itself, including calendars and events. Modern digital visitors expect free access to digital sources [14] and often expect companies to provide free advice. “Expertise is a key component in credibility” [16, p.67]; therefore, this marketing behaviour creates content assets for the company, positioning them above the competitors as a *field expert*. It is essential, nonetheless, not to be excessively persuasive in advising on own products, as the neutral position appears to subtly create two significant points in the customer’s mind: (1) there is a choice and (2) the choice is mine, providing a sense of client’s control in the given situation, which would, most likely, lead them to selecting the company expert. It is worth presenting information as new or at least in a new way, particularly for adolescents, to make it more valuable and worth reading. The other content series could inform users on the company’s brand values and history, creating positive associations, including non-business-related, environment and community-related activities, which the customer would wish to relate to themselves. The choice of activities would empower more followers, when the findings are based on the research of particular targeted audiences, i.e., their interests, beliefs and aspirations. Alternative way of presenting content could also bring highly successful results, e.g., as the “Don't go to Bradford [*City/University*]” video, aimed at addressing the negatives about Bradford. The analytics indicated over one-hundred-and-ten-thousand views to the rise of 13% in clearing applications and the rise of 90% in the following October Open Day attendance [136]. The creativity of the content could also be found in new ways of communicating marketing ideas. At the Higher Education Marketing Conference in 2018, the University of Reading reported that they have been “transforming HE marketing by telling stories”. To achieve the target, the university created a toolkit, allowing for collateral (print and digital) to be created in a consistent manner, i.e., using set of templates, which academics can input to. There was also an image bank, created for each school, where the only images allowed were contemporary (academic photos) with the use of more infographics. Reading University has also gone into partnership with the “Reading Festival”, which allows twelve students to be

present to create footage/content [137]. The approach is also supported by Content Marketing Institute [30].

Overall, researchers place emphasis on the continuous content development, in accordance with the new market requirements. The content still “Remains the King”, although the format could be changing, i.e., context, length, with key influencers’ involvement, etc. The stress is on the “In-house” content production and the encouragement of customer involvement (“Airbnb”, for instance, has successfully used this practice) and “sharing ideas” [71, p.58].

5. Strategic Content Components

At a higher level, companies would consider such things as *content lifecycle* and *information re-use*, for every piece of content. Web content often undergoes numerous changes, as it “has great potential for reuse” [58, p.254], where consideration is given not only to the lifetime of each individual content, its creation, publishing, updates and removal, but also to the opportunities for re-use of the content, possibly re-written for different audiences, in different format or even on different media platforms. If either of these aspects have not yet been considered, then *content audit* is there to take place. Researchers suggest conducting it even prior to introducing a new CMS, as it “...is an accounting of the information” and is expected to save “money if your findings implemented”. “The purpose of content audit is to analyse how content is used, reused, and delivered to its various audiences.” The aim is to unify the content and the “process to create it and “eliminate the “cut and paste” method... wherever possible” [83, p.104]. Strategic publishing involves the new way of thinking about the *value* and the use of content [40].

Content Strategists should consider the purpose for each piece of content, as it should lead to an action, whether this would be just (a) adding this company/business or product/service into customer’s first evoked list in the relevant category of products, (b) purchasing decision or (c) any other.

Practitioners should also consider the need for a new piece of content [138] and the usefulness of it to the potential clients (not the company), as well as to avoid duplication [83], as despite the dated belief that online publishing is free, Content Strategists realised that content audits (which are expected to be regular) and preparation of high-quality materials are quite expensive processes [83], [138].

Content creation process has to be holistic and continuous, not achieved via interruption campaigns, which is easier than delivering useful and valuable content [139]. Thus, expert Content Strategists recommend investing in a *content calendar* [37, p.45], which covers advanced planning of content [37, p.21] and “keeps everyone on task and on the same page, which ultimately saves time, money, and heartache” [44, loc 2173]. The *publishing regularity* is equally significant and could be achieved via consistent delivery of content, building up trust in the minds of digital users, anticipating new articles and creating positive affiliation with the company/product/ service [140].

The *tone of voice* (or voice and tone), identified as the online experience aspect [41, p.55], [37, p.45-46, 60], [44], is, regrettably, often based on sales, rather than via the adoption of a conversational style. This is particularly relevant to adolescents from Generation ‘Z’, i.e., finding the right approach to the technology-savvy, though technology-dependent generation, who often find themselves in the continuous FOMO (fear of missing out) position and do not waste time, avoiding unnecessary digital activities [67]. This generation also values mobile designs, as according to the ‘Pew Research Center’, the majority of adolescents of this age range own a mobile phone. In the USA, for instance, this constitutes 95% of those aged 13-17 [141]-[143], using internet extensively, and 89% reported using it via a mobile device almost constantly or several times a day [144]. Consequently, the needs’ and preferences’ research is valuable to achieve the desired *brand image* and market position.

It is vital to consider the likelihood of prospective customers’ remaining on the website, if the digital users might just visit this site in passing (as one of the many), when the site is presented in a customer-unfriendly way, i.e., overloaded with large chunks of text, no videos or audio podcasts, not even infographics to make the life of a digital reader any easier, e.g., some authors suggest providing links to other websites on the same topic [145]. Recent research recommends “to induce positive first impressions, designers should adopt well-ordered webpages for attracting users’ attention and low-complexity webpages for inducing positive emotional responses” [25, p.1345].

V. DEFINITION AND THE KEY CONTENT COMPONENTS OF DCS

We summarised that the term *DCS* could be defined as:

A holistic and continuous process, created to strategic level for the planned availability of carefully selected digital content, with a view to meeting user and business goals via creative, relevant, useful, engaging, timely and regularly published content, considering key Strategic, Content, Marketing, Technology and Foundation content components.

The key content components discussed above could be summarised in Fig. 2 (where the researchers used the framework, presented in 2019 [43] as a basis), the details of which could be discussed in additional paper.

VI. CONCLUSION

The approach to content should be holistic and continuous; therefore, the application of *DCS* is essential, considering the key content components – Strategic, Content, Marketing, Technology and Foundation.

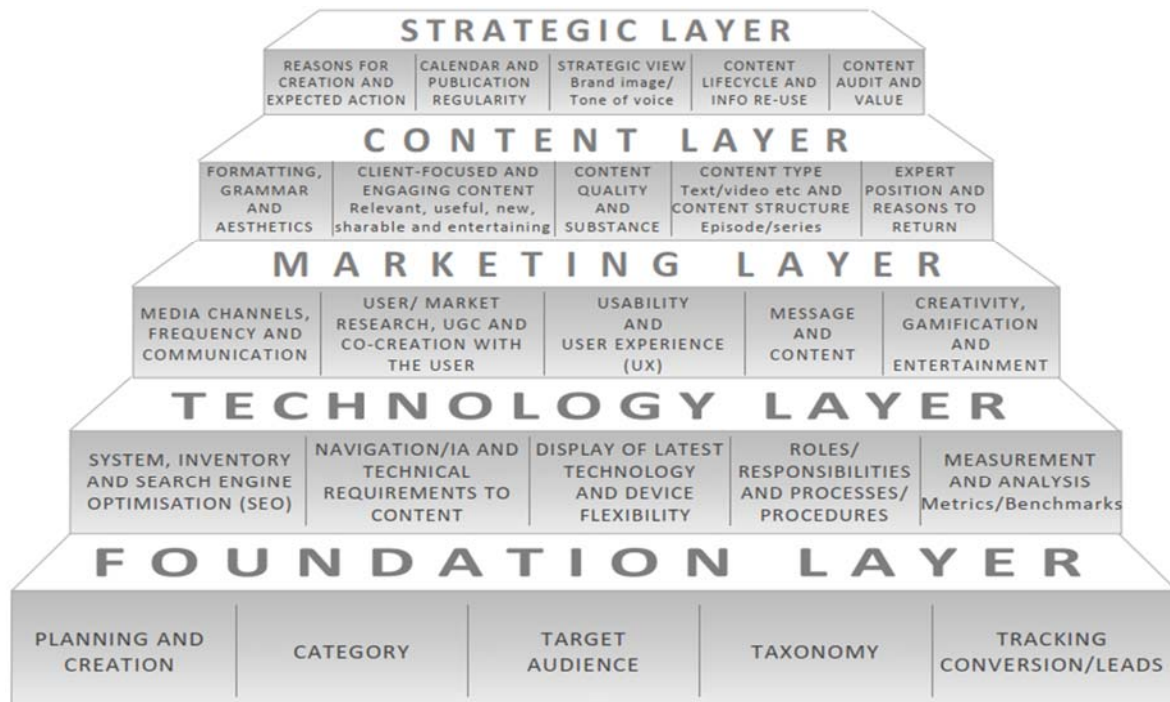


Fig. 2 Key Content Components of Digital Content Strategy (DCS)

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