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Метою нашего дослідження є концентрований опис і кластеризація сучасних інструментів цифрового маркетингу для їх ефективного вибору та застосування на практиці. Основними завданнями, які розв'язуємо в нашем дослідженні, є: (1) опис сучасного глобального середовища використання соціальних мереж; (2) дослідження різних видів маркетингових цифрових інструментів та їх ефективності; (3) пошук шляхів найбільш ефективного використання цифрового маркетингу в залежності від ситуації.

Методологія дослідження. Досліджуючи широкий спектр інструментів цифрового маркетингу, ми використовували механізм SEO, а також наукові методи аналізу і синтезу, системний підхід для узагальнення та обґрунтування всіх сучасних інструментів маркетингу. Методи цифрової кластеризації і групування були використані при побудові таблиці засобів цифрового маркетингу.

Результати. Підходи проаналізовано статистичні матеріали, що характеризують цифрове середовище. Підкреслюється, що 86% людей у віці від 16 до 55 років використовують соціальні мережи не рідше одного разу на день, а 72% використовують їх кілька разів на день, що актуалізує розеток цифрового бізнесу. Охарактеризовано особливості маркетингу в соціальних мережах. Основні інструменти цифрового маркетингу були представлені у вигляді таблиці. Автори надали дуже детальну систематизацію інструментів цифрового маркетингу і дали чіткі рекомендації щодо їх правильного і ефективного використання.

Застосування результатів. Коли бізнес зростає, немає необхідності наймати додатковий штат, накопичуючи поточні витрати, необхідно додавати цифрові програми, які сприяють у вирішенні проблем управляння. Цифрові інструменти допомагають скласти кількісний цифровий маркетинговий план, що відображає стратегію онлайн-маркетингу та реклам. Метою плану цифрового маркетингу є стимулювання продажів за допомогою соціальних мереж, контенту і стратегії блоців.

Висновки. Автори описали понад 160 інструментів цифрового маркетингу, розбивши їх за категоріями і сферах застосування. Акцент поставлений на інструментах SEO, автоматизації маркетингу і мобільних маркетингових додатках. Маніфольдний SEO і використовуючи онлайн-рекламу, можна залучити відвідувачів на сайт будь-якої компанії і надати їм безкоштовну інформацію до пропозиції. Автоматизація маркетингу – це швидкий спосіб забезпечити безперервний і безперебійний маркетинговий сервіс. Ефективні способи використання мобільного маркетингу включають кампанії з текстовими повідомленнями, навігацію мобільного застосування і створення мобільних програм плявностей.

Ключові слова: соціальні медіа, цифрова генерація, інструменти цифрового маркетингу, інструменти SEO, аналітика і аналітика, онлайн-брендінг, створення блоців і контенту, спільна робота, успіх і підтримка клієнтів, дизайн, зображення та відео, електронна комерція, електронний маркетинг, автоматизація маркетингу, управління подаю і проектами, платна реклама, управління соціальними мережами, інструменти підвищення продуктивності, створення веб-сторінок і захоплення клієнтів.

**Эффективные инструменты имплементации цифрового маркетинга**

Михаэль Шефер
Оксана Гетьман

Актуальность темы исследования. Хотя Интернет является частью повседневной жизни, часть населения по-прежнему исключена из цифрового мира из-за нехватки цифровых навыков и знаний. Доступ к цифровым технологиям становится очень важным, поскольку позволяет всем безобидно участвовать в цифровом обществе. Вот почему крайне важно учитывать широкий спектр современных цифровых инструментов (в основном, маркетинговых), способствующих достижению целей в профессиональной и повседневной деятельности.

Постановка задачи. Основная проблема, которая будет рассмотрена в ходе нашего исследования, – это обобщение, обоснование и анализ инструментов цифрового маркетинга для повышения цифровой грамотности в достижении определенных целей.

Анализ последних исследований и публикаций. Пространство современной научной, учебной и популярной литературы наполнено описанием концепции цифрового маркетинга, его значений и применения в современной повседневной жизни. Авторы рассмотрели работы американских, британских, китайских, финских, поляков, украинских и индийских авторов и практиков, посвященных обобщению лучших маркетинговых инструментов по всему миру. Тем не менее, рассмотренные практики логически не завершены для удобства пользования.

Неисследованные части общей проблемы. Основная практическая проблема – выбрать правильный инструмент цифрового маркетинга, чтобы сосредоточить внимание на эффективном применении решений и не тратить дополнительное время и ресурсы.

Целью нашего исследования является концентрированное описание и кластеризация современных инструментов цифрового маркетинга для их эффективного выбора и применения на практике. Основными задачами, решаемыми в нашем исследовании, являются: (1) описание современной мировой среды использования социальных сетей; (2) исследование различных видов маркетинговых цифровых инструментов и их эффективности; (3) поиск путей наиболее эффективного использования цифрового маркетинга в зависимости от ситуации.
**EFFECTIVE TOOLS OF DIGITAL MARKETING IMPLEMENTATION**

**Michael Schaefer**  
**Oksana Hetman**

**Relevance of research topic.** Although the Internet is a part of the daily life, some parts of the population continue to be excluded from the digital world due to the lack of digital skills and knowledge. An access to the digital technologies becomes significantly important as a mean of allowing everyone to participate in the digital society fearlessly. That is why it is an extremely important to consider a wide range of the modern digital tools (mostly, marketing digital tools), which will help anyone to achieve their purposes in their professional and everyday activity.

**Formulation of the problem.** The main problem that will be addressed during our study is summarizing, justification and analyzing digital marketing tools in order to rise digital literacy to achieve certain goals.

**Analysis of recent research and publications.** Modern scientific, tutorial and popular literature’s space is filled with the description of the digital marketing concept, its significance and application into the current everyday life. Authors have reviewed papers of American, British, Chinese, Finish, Polish, Ukrainian and Indian authors and practitioners dedicated to summarizing the best marketing tools worldwide. However, all of these findings are not good schemed logically to provide the best applicable practice for inexperienced marketing tools users.

**Unexplored parts of the general problem.** The main practical problem is to take a correct digital marketing tool in order to concentrate attention to the effective decision making and do not waste time and resources.

**The aim of our study** is concentrated description and clustering of the modern digital marketing tools for their effective choice and application into the practice. The main tasks that will be solved due to our research are following (1) description of the current world social media environment in numbers; (2) research of the different types of marketing digital tools and their efficiency; (3) finding ways for the most effective digital marketing usage according to the case.

**Research methodology.** Researching a wide range of digital marketing tools, we have used SEO engines, as well as scientific methods of analysis and synthesis, systemic approach to summarize and justify all current modern marketing tools. Methods of digital clustering and grouping have been used by constructing a table of digital marketing means.

**Results.** Authors have analyzed a lot of statistic materials characterizing digital environment nowadays. It is underlined that 86% of people aged 16-55+ use social media at least once per day, and 72% use it multiple times per day that makes necessary to develop business digitalization. Social media marketing features have been characterized. The Main Digital Marketing Tools have been presented with their possibilities to use in a table form.
Authors have provided a deeply detailed systematization of the digital marketing tools and made it clear recommendations about their correct and effective usage.

**Application of results.** When the business grows, it is not necessary to add people (hiring) multiplying current costs, but it is advisable simply to add digital applications which will help to solve all managing issues. Digital tools help to construct a clear digital marketing plan outlining company’s online marketing and advertising. The goal of a digital marketing plan is to drive conversions by means of social media, content, and blog strategy.

**Conclusions.** Authors have described over 160 digital marketing tools clustering them for theirs types and application spheres. Accent is pointed out at the SEO tools, Marketing Automation and Mobile Marketing Applications. By having strong SEO and using online advertising, it is possible to drive visitors to the website of any company and to present them with a free information-based offer. Marketing Automating the follow-up to the lead generation process is a smart way to ensure the marketing runs continuously and smoothly all the time. Effective ways of Mobile Marketing usage include text message campaigns, having a mobile app and creating a mobile loyalty program.

**Key words:** social media, digital generation, digital marketing tools, SEO tools, Analytics & Tracking, Online Branding, Blogging & Content Creation, Collaboration, Customer Success & Support, Design, Images & Video, E-Commerce, Email Marketing, Marketing Automation, Event/Project Management, Paid Advertising, Productivity tools, Social Media Management, Webpage Creation & Lead Capture

**JEL Classification:** M31, M37, L86

**Introduction:** Marketing has changed in an innovative way. It has become digital last decades. Today, according to the Statista (the mostly reliable Statistic Portal worldwide), global digital population increased from 3.7 billion Internet users till 4.4 billion as of January 2019. As statistics shows, digital population is increasing rapidly from 1.2 billion in 2005 (almost 4 times). At the same time of the measured period, almost 3.5 billion were social media users. China, India and the United States rank ahead all other countries in terms of internet and social media users. China was ranked first with 772 million internet users, more than double the amount of third-ranked United States with just over 312 million internet users. Overall, all BRIC markets had more than 100 million internet users, accounting for four of the seven countries with more than 100 million internet users. Considering that the number of humans living on Earth is presently estimated at some 8.5 billion. It means that over 42% of the world population is interconnected through the use of internet. There are, however, stark differences in user distribution according to region. As of that period, East Asia was ranked first with mobile social media penetration rate of 70%, followed by North America with 61%. The global mobile social penetration rate was 42%. Does it mean the digital marketing or digital economy’s literacy has improved? Or does it mean a significant mark of the success in the social media business promotion? Or both? There is a root of such prompt digitalization and what does it means for the future? To answer these questions, we have arranged our scientific research.

**Relevance of research topic.** Internet affect humans’ everyday live in many ways, when communicating, keeping updated the news, interacting with public authorities, buying goods or services online, sharing news, looking for the needed information, promoting startups, own business etc. Nowadays, both Internet and digital technologies transform the worldwide attitudes. Informational and communicative technologies support startups and support current small, medium and large businesses with some new opportunities that contribute their competitiveness and development. The world is changed – it become a digital world based on the Internet tools, its fast development is observed in the fields which seemed to be undeliverable for, viz. the healthcare sector, security service, transport service, energy-saving technologies, an educational industry, the public sector etc. Although the Internet is a part of the daily life, some parts of the population continue to be excluded from the digital world due to the lack of digital skills and knowledge. An access to the digital technologies become significantly important as a mean of allowing everyone to participate in the digital society fearlessly. That is why it is an extremely important to consider a wide range of the modern digital tools (mostly, marketing digital tools), which will help anyone to achieve their purposes in their professional and everyday activity.

**Formulation of the problem.** The main problem that will be addressed during our study is summarizing, justification and analyzing digital marketing tools in order to rise digital literacy to achieve certain goals.


However, still we didn’t find good schemed and logically algorithmized scientific, tutorial or popular paper, which might provide the best applicable practice for inexperienced marketing tools users.

**Unexplored parts of the problem.** There are many scientific articles, tutorial manuals and popular researches published in Open Internet Access dedicated to the digital marketing tools description. As well, each author, SEO,
According to The Manifest survey conducted by Herhold, K. (December, 2018), the average person spends 5 years of his or her life on social media (i.e. more time than they spend eating, socializing, and grooming). The main findings of her study demonstrate that
1. 86% of people aged 16-55 use social media at least once per day, and 72% use it multiple times per day;
2. Facebook (82%), YouTube (75%), Instagram (53%), Snapchat (39%), Pinterest (38%), Twitter (36%) are mostly used social media;
3. people use several social media channels more in 2018 compared with 2017, viz. YouTube (63%), Instagram (61%), Snapchat (58%), and Facebook (52%);
4. people use a combination of methods to access social media, viz. mobile apps (67%), computer web browsers (57%), mobile web browsers (41%), and tablet apps (31%), computer app (28%), tablet web browser (23%), smartwatch (11%);
5. females use social media multiple times per day compared to 64% of males (75% vs. 64%);
6. the majority of both females (83%) and males (81%) use Facebook, but they vary in how they use other channels, including Pinterest (44% vs. 26%), Twitter (28% vs. 51%), and Reddit (8% vs. 29%);
7. almost half of social media users (46%) access social media on mobile apps.

Based on this survey, we can conclude that people definitely rely on social media. As it is, that way, businesses might concentrate attempts to understand their target customers’ social media habits and preferences to determine how to reach them a best way.

Social Media Marketing: As social media is an important marketing tool studying and influencing customers’ preferences, obvious is an attention and investment, which business is willing to put in advance to catch and to hold customers involved in. The top sites that businesses participate in are Facebook, Twitter, Pinterest (where people are spending time mostly). Creating profiles and engaging with customers are the best ways to use these tools. By posting relevant content and engaging in conversations with customers, business is going to build relationships over time and can increase your brand awareness as well. Many software tools can be used to make such social media marketing more effective.

Scientific review: Kozioł, L., Kozioł, W., Wojtowicz, A. & Pyrek, R. (2014) make the assumption that the use of customer relationships in the innovation business processes of the company contributes to their successful development. They point out that CRM systems are effective tools for. Authors state that the effectiveness of individualized marketing is conditioned by such factors as close relationships with customers, continuous oversight, analyses, information technologies and databases usage. For sure, customers’ participation is important as customers who use goods and services acquire knowledge that represents a great value for companies. In this case, relationship marketing can be used as a tool for supporting company’s innovative processes in order to understand deeply customers’ points of view (taste, preferences, emotional effects, feedbacks, critique, etc).

We can agree with polish authors in a point that knowledge received from consumers is valued higher than information obtained from marketing research centers (summarizing analytics and doing cabinet researches on demand). Chen, Y. (2006) provides an economic analysis of marketing innovations based on the dynamic model that includes γ-factor, which allows a firm to acquire consumer information effectively and σ-factor, which reduces consumer’s transaction costs. Author concluded that incentives and effects of both factors differ. Although γ-factor benefits the innovating firm, it hurts some consumers (because of their differences in tastes, preferences, types, behaviors, purchasing possibilities etc); as well, while σ-factor benefits all consumers, it may or may not benefit the innovating firm. Interpreting his results, we can conclude that in this case, relationship marketing has probable effect in the system of «useful – harmful», its application should be measured by necessity rather than consumers’ involvedness.

Nikunen, T., Saarela, M., Oikarinen, E.-L., Muhos, M. & Isohella, L. (2017) have pointed out that today the digital marketing environment is focused on attracting customers, engaging customers’ interest and participation, retaining customers, learning customers’ preferences and relating to customers in building strong customer relationships. Thus, authors make the accent at the relationship marketing based on the digital marketing tools usage.
Authorial findings highlight the importance of using digital marketing tools, such as Blog, Facebook, Content marketing, E-commerce, E-mail, Search engine marketing, Website. Obviously, we support authors' ideas, but it is also important to consider the list of marketing tools since, in our opinion, a digital tool knowledge is a key impact on business success.

Mandal, P. & Joshi, N. (2017) in their scientific article conclude that digital marketing has no boundaries. Each company can use any devices such as smart phones, tablets, laptops, televisions, game consoles, digital billboards, and media such as social media, SEO, YouTube, content, e-mail, and more for promotion company and its products. We agree with authors on a range of digital tools usage, but in our paper we offer much more perspectives for their implementation relying on the current development of informational technologies.

Hetman, O. (2003) in her dissertation papers 'Increasing efficiency of the enterprises' functioning based on the marketing management mechanism' has developed the algorithm for providing efficiency any marketing tools in the systemic usage (including digital marketing instrumentation). Proposed mechanism is aimed at reaching successful industrial companies development. In our opinion, these principles might be used in a service sphere, as well.

Digital marketing tools are the channels to reach consumers. The key objective is to promote brands through various forms of digital media. Digital marketing extends beyond Internet marketing. It includes mobile phones (both SMS and MMS), social media marketing, display advertising, search engine marketing, and other forms of digital media. Most experts believe that 'digital' marketing requires a new approach and a new customer's behavior understanding by means of the quantity analysis of the value of downloads of apps on mobile devices, tweets on Twitter, likes on Facebook et al.

As we have mentioned before, there are many different types of marketing digital tools, which have different purposes. But we offer to combine them in fifteen groups (Table 1).

Table 1. The Main Digital Marketing Tools

<table>
<thead>
<tr>
<th>Top</th>
<th>Marketing sphere</th>
<th>Marketing tools description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Analytics &amp; Tracking</td>
<td>ClickMeter, Funnel.io, Google Analytics, Heap, Track Maven, UNAMO</td>
</tr>
<tr>
<td>2</td>
<td>Online Branding</td>
<td>Rebrandy, BrandYourself DIY Tool, Mention, Pixellogo, SurveyMonkey, Wisestamp</td>
</tr>
<tr>
<td>3</td>
<td>Blogging &amp; Content Creation</td>
<td>WordPress, BuzzSumo, BuzzSprout, CoSchedule, Pocket, Grammarly, Hemingway Editor, Kahoot!, Medium, Piktchart, Qzzr, Zest</td>
</tr>
<tr>
<td>4</td>
<td>Collaboration</td>
<td>Slack, Asana, Cydle, Dropbox, Google Drive, GoToMeeting, JIRA, Join.me, Quip, Trello, Traackr, Zenkit, Zoom</td>
</tr>
<tr>
<td>5</td>
<td>Customer Success &amp; Support</td>
<td>Intercom, Drift, Emojis, Mopinion, Ramen, Respond (by Buffer), Totango, Zendesk</td>
</tr>
<tr>
<td>7</td>
<td>E-Commerce</td>
<td>Shopify, BigCartel, BigCommerce, Chargify, Gumroad, Selz, Magento, Oberlo, PrestaShop, Product Upsell, Squarespace, Volusion</td>
</tr>
<tr>
<td>8</td>
<td>Email Marketing</td>
<td>MailChimp, AWeber, Campaign Monitor, Constant Contact, ConvertKit, GetResponse, iContact, NEWOLDSTAMP, Revue, Scope</td>
</tr>
<tr>
<td>9</td>
<td>Marketing Automation</td>
<td>HubSpot, Zapier, Automate.io, IFTTT (If This Then That), Microsoft Flow, Pardot, Follow Up Boss</td>
</tr>
<tr>
<td>10</td>
<td>Event/Project Management</td>
<td>Eventbrite, ApplInstitute, Bizzabo, Cvent, Eventsforce, Sli.do, Eventmobi, Gather, Wild Apricot, Indydesk, Bitrix24, ProofHub</td>
</tr>
<tr>
<td>11</td>
<td>Paid Advertising</td>
<td>Facebook Ads, AdEspresso, AdStage, AdRoll, Bing Ads, Driftrock, Google Adwords, Social Ads Tool, SpyFu, Twitter Ads</td>
</tr>
<tr>
<td>12</td>
<td>Productivity</td>
<td>1Password, Calendly, CheatSheet, Evernote, F.lux, Rescue Time, Momentum, StayFocused</td>
</tr>
<tr>
<td>13</td>
<td>SEO Tools</td>
<td>Google Keyword Planner, Cocolyze, K-word, Ahrefs, Alexa, Answer the Public, Copypaste, Google Trends, GTMetrix, Moz, OnPage.org, Screaming Frog, SEMrush, SERPChecker</td>
</tr>
<tr>
<td>14</td>
<td>Social Media Management</td>
<td>Meet Edgar, Buffer, Crowdfire, Divr.it, Earshot, Meltwater, Oktopost, SocialBee, SocialPilot, SproutSocial</td>
</tr>
<tr>
<td>15</td>
<td>Webpage Creation &amp; Lead Capture</td>
<td>Optimizely, ClubRunner, Instapage, JotForm, M-Files, Sumo, Kickofflabs, Optimonster, Sleeknote, Albacross, Typeform, Wix, Unbounce</td>
</tr>
</tbody>
</table>

Source: systematized and completed by authors based on research of Matthews, I. (2018)

(1) Analytics & Tracking is an entrance of any marketing strategy. With the ability to track on the marketing efforts, it is possible to determine operative tasks.

(2) Online Branding is a platform makes it easy to create, track, and manage short URLs with a custom domain name.

(3) Blogging & Content Creation both are the backbone of the digital marketing. Without such software tools it is impossible to share any content.

(4) Collaboration digital tools allow to check work in a team (each team member) and separate goals with different directions. Such tools make sure that team works productively and reaches their marketing goals.
In the world of digital marketing, there are many applications and software solutions to keep things running smoothly. That is why it is important to focus efforts on what is essential for the business. As we can conclude from our research, the most common uses for digital marketing applications are social media management, automation, and product development.

### Further Discussion

Although there are still many skeptics who reject digital marketing technologies effectiveness, it should be agreed that today's progress seems unsecured without using them. The Internet of Things/services presents a fantastic opportunity for marketers/businesses. Products or services that market...
themselves, order themselves and integrate into the system that will increase customer retention. Few years ago marketers could only dream of such things, now they are a reality. These trends of digital marketing usage have to be seized by marketers to be implemented successfully.

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