

DAILY ASSESSMENT FORMAT

Date:	15 th June 2020	Name:	Soundarya NA
Course:	Digital marketing	USN:	4AL16EC077
Topic:	Digital marketing	Semester & Section:	8 th - B

FORENOON SESSION DETAILS

Image of session

Digital Marketing

Digital marketing is any form of marketing that exists online. This encompasses all marketing efforts that use an electronic device or the internet. Businesses leverage digital channels such as search engines, social media, email, and websites to connect with current and prospective customers.

SUBSCRIBE

In small companies, one marketing generalist might own many of the tactics described above.

SUBSCRIBE

Report:

Digital marketing is the use of the Internet, mobile devices, social media, search engines, and other channels to reach consumers. Some marketing experts consider digital marketing to be an entirely new endeavor that requires a new way of approaching customers and new ways of understanding how customers behave compared to traditional marketing.

Digital marketing targets a specific segment of the customer base and is interactive. Digital marketing is on the rise and includes search result ads, email ads, and promoted tweets – anything that incorporates marketing with customer feedback or a two-way interaction between the company and customer.

Internet marketing differs from digital marketing. Internet marketing is advertising that is solely on the Internet, whereas digital marketing can take place through mobile devices, on a subway platform, in a video game, or via a smartphone app.

In the parlance of digital marketing, advertisers are commonly referred to as sources, while members of the targeted ads are commonly called receivers. Sources frequently target highly specific, well-defined receivers. For example, after extending the late-night hours of many of its locations, McDonald's needed to get the word out. It targeted shift workers and travelers with digital ads because the company knew that these people made up a large segment of its late-night business. McDonald's encouraged them to download a new Restaurant Finder app, targeting them with ads placed at ATMs and gas stations, as well as on websites that it knew its customers frequented at night.

Website Marketing:

A website is the centerpiece of all digital marketing activities. Alone, it is a very powerful channel, but it's also the medium needed to execute a variety of online marketing campaigns. A website should represent a brand, product, and service in a clear and memorable way. It should be fast, mobile-friendly, and easy to use.

Pay-Per-Click (PPC) Advertising:

PPC advertising enables marketers to reach Internet users on a number of digital platforms through paid ads. Marketers can set up PPC campaigns on Google, Bing, LinkedIn, Twitter, Pinterest, or Facebook and show their ads to people searching for terms related to the products or services. PPC campaigns can segment users based on their demographic characteristics (such as by age or gender), or even target their particular interests or location. The most popular PPC platforms are Google Ads and Facebook Ads.

Content Marketing:

The goal of content marketing is to reach potential customers through the use of content. Content is usually published on a website and then promoted through social media, email marketing, SEO, or even PPC campaigns. The tools of content marketing include blogs, ebooks, online courses, infographics, podcasts, and webinars.

Email Marketing:

Email marketing is still one of the most effective digital marketing channels. Many people confuse email marketing with spam email messages, but that's not what email marketing is all about. Email marketing is the medium to get in touch with your potential customers or the people interested in your brand. Many digital marketers use all other digital marketing channels to add leads to their email lists and then, through email marketing, they create customer acquisition funnels to turn those leads into customers.

Social Media Marketing:

The primary goal of a social media marketing campaign is brand awareness and establishing social trust. As you go deeper into social media marketing, you can use it to get leads or even as a direct sales channel.

Affiliate Marketing:

Affiliate marketing is one of the oldest forms of marketing, and the Internet has brought new life to this old standby. With affiliate marketing, influencers promote other people's products and get a commission every time a sale is made or a lead is introduced. Many well-known companies like

Amazon have affiliate programs that pay out millions of dollars per month to websites that sell their products.

Video Marketing:

YouTube has become the second most popular search engine and a lot of users are turning to YouTube before they make a buying decision, to learn something, read a review, or just to relax. There are several video marketing platforms, including Facebook Videos, Instagram, or even TikTok to use to run a video marketing campaign. Companies find the most success with video by integrating it with SEO, content marketing, and broader social media marketing campaigns.

SMS Messaging:

Companies and nonprofit organizations also use SMS or text messages to send information about their latest promotions or giving opportunities to willing customers. Political candidates running for office also use SMS message campaigns to spread positive information about their own platforms. As technology has advanced, many text-to-give campaigns also allow customers to directly pay or give via a simple text message.

Digital Marketing Challenges:

Digital marketing poses special challenges for its purveyors. Digital channels are proliferating rapidly, and digital marketers have to keep up with how these channels work, how they're used by receivers, and how to use these channels to effectively market their products or services. In addition, it's becoming more difficult to capture receivers' attention, because receivers are increasingly inundated with competing ads. Digital marketers also find it challenging to analyze the vast troves of data they capture and then exploit this information in new marketing efforts.

The challenge of capturing and using data effectively highlights that digital marketing requires an approach to marketing based on a deep understanding of consumer behavior. For example, it may require a company to analyze new forms of consumer behavior, such as using website heatmaps to learn more about the customer journey.

Date:	15 th June 2020	Name:	Soundarya NA
Course:	UDEMY	USN:	4AL16EC077
Topic:	MySQL	Semester & Section:	8 th - B

Image:

```
mysql> SELECT count(*) FROM `users` WHERE last_name LIKE 'a%' /*sql_no_cache*/;
+-----+
| count(*) |
+-----+
|    63285 |
+-----+
1 row in set (0.25 sec) <= before index

mysql> ALTER TABLE `users` ADD INDEX ( `last_name` );
Query OK, 1009024 rows affected (17.57 sec)
Records: 1009024 Duplicates: 0 Warnings: 0

mysql> SELECT count(*) FROM `users` WHERE last_name LIKE 'a%' /*sql_no_cache*/;
+-----+
| count(*) |
+-----+
|    63285 |
+-----+
1 row in set (0.06 sec) <= after index
```



not using an index (key)

+ Options

id	select_type	table	type	possible_keys	key	key_len	ref	rows	Extra
1	SIMPLE	u	ALL	NULL	NULL	NULL	NULL	7883	Using where
1	SIMPLE	g	eq_ref	PRIMARY	PRIMARY	4	test.u.group_id	1	

Report:**Code:**

```
<?php
set_time_limit(0);
ini_set('memory_limit', -1);
define('NUM_INSERTS_IN_QUERY', 10000);
define('NUM_QUERIES', 100);

// build query
$time = microtime(true);
$queries = array();
for($i = 0; $i < NUM_QUERIES; $i++){
    $queries[$i] = 'INSERT INTO `test` VALUES ';
    for($j = 0; $j < NUM_INSERTS_IN_QUERY; $j++){
        $queries[$i] .= '(1,2,3,4,5,6,7,8,9,0),';
    }
    $queries[$i] = rtrim($queries[$i], ',');
}

echo "Building query took " . (microtime(true) - $time) . " seconds\n";

mysql_connect('localhost', 'root', '') or die(mysql_error());
mysql_select_db('store') or die(mysql_error());
mysql_query('DELETE FROM `test`') or die(mysql_error());

// execute the query
$time = microtime(true);
for($i = 0; $i < NUM_QUERIES; $i++){
    mysql_query($queries[$i]) or die(mysql_error());
}
```

```
// verify all rows inserted
if(mysql_affected_rows() != NUM_INSERTS_IN_QUERY){
    echo "ERROR: on run $i not all rows inserted (" . mysql_affected_rows() . ")\n";
    exit;
}
}

echo "Executing query took " . (microtime(true) - $time) . " seconds\n";
$result = mysql_query('SELECT count(*) FROM `test`') or die(mysql_error());
$row = mysql_fetch_row($result);
echo "Total number of rows in table: {$row[0]}\n";
echo "Total memory used in bytes: " . memory_get_usage() . "\n";
?>
```