Fourier Transform

CSCD92: Harri Pahirathan
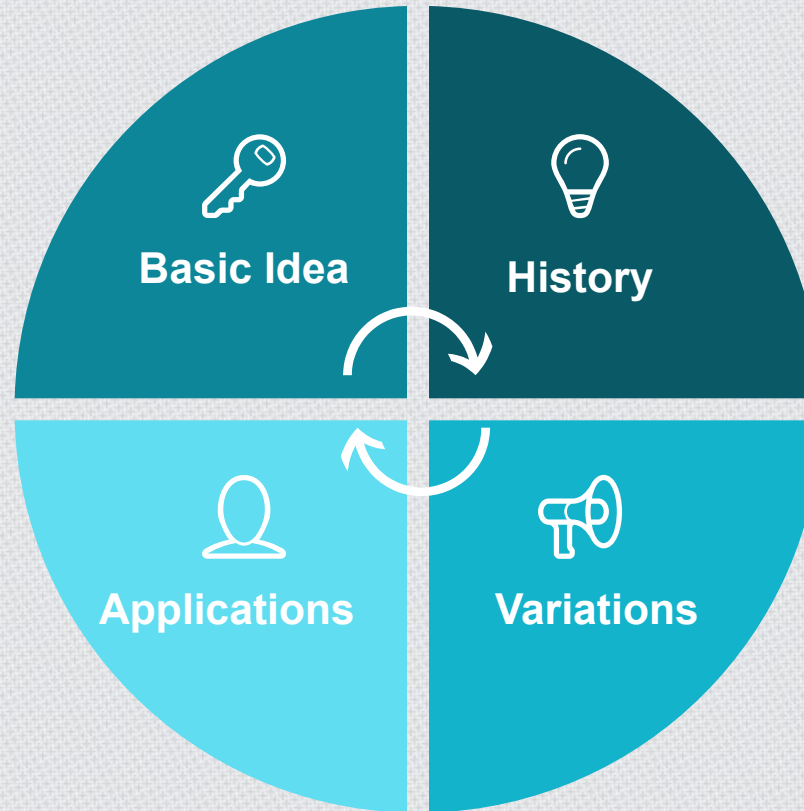
What We Will Be Looking At!

1.Basic Idea

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

2.History

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

4.Applications

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

3.Variations

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto
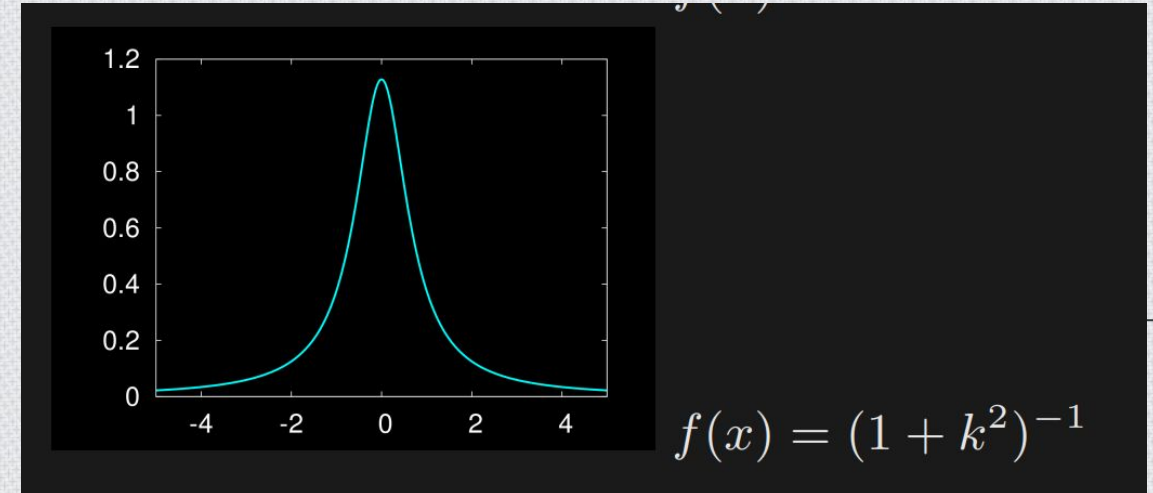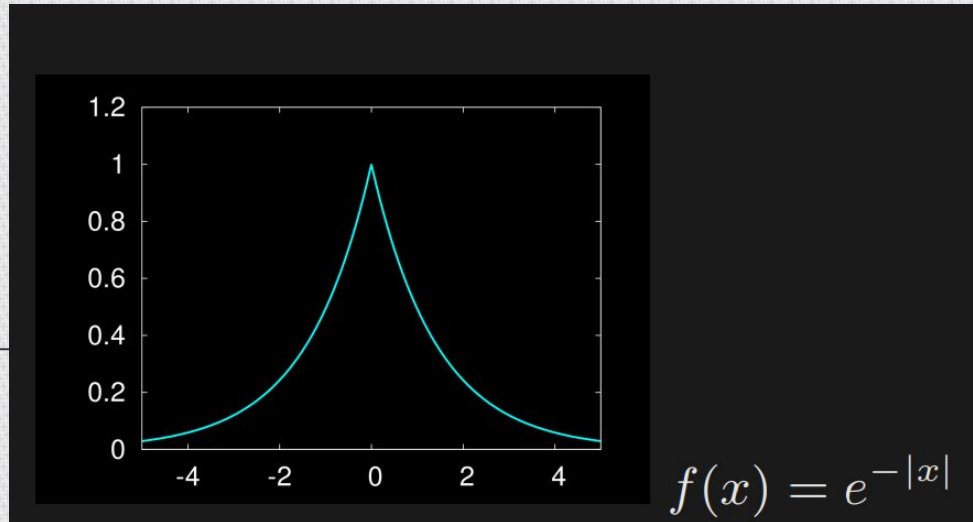
Basic Idea

History

Applications

Variations

1.Basic Idea

WHAT IS IT? FT?

Example

$$\hat{f}(k) \propto \int f(x)\, e^{\pm i\, k \cdot x}\, dx$$

$$f(x) = e^{-|x|}$$

$$f(x) = (1 + k^2)^{-1}$$

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo. Suitable for all categories business and personal presentation, eaque ipsa quae ab illo eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo.

WHO?

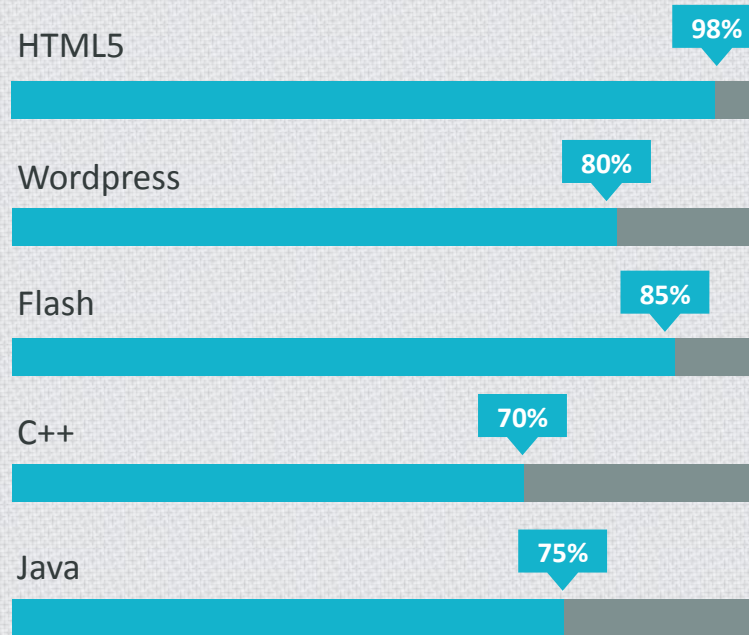**THE CREATOR?**

MALE?

? FEMALE?

OLD?
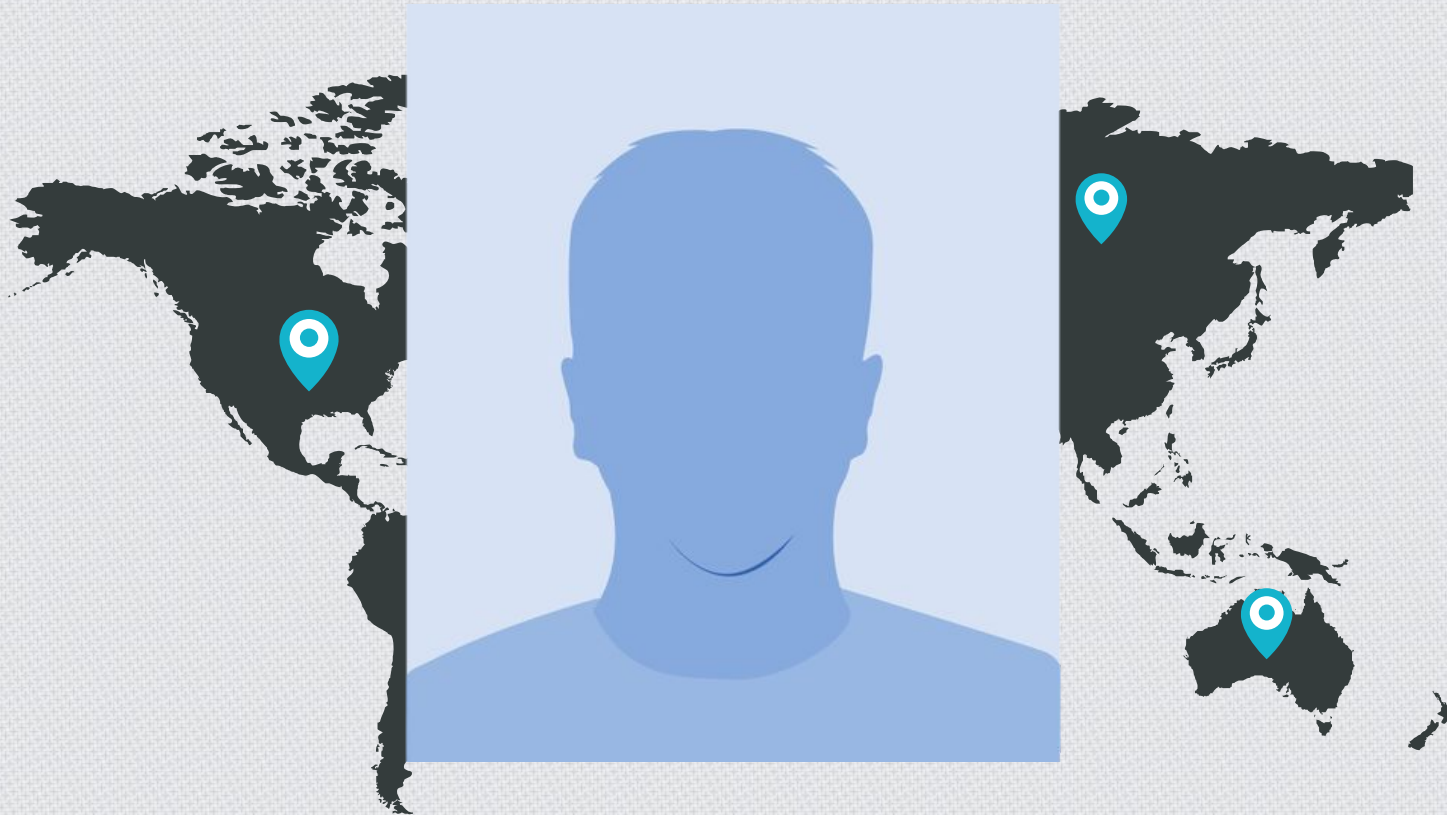
ALIVE?

SMART?

WHEN?

Jean Baptiste Joseph Fourier

Jean Baptiste Joseph Fourier
(1768–1830)

PROFESSIONAL SKILL

HTML5 **98%**

Wordpress **80%**

Flash **85%**

C++ **70%**

Java **75%**

ABOUT ME

Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting.

It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

History

2010

2011

2012

2013

2014

Many new concepts and mechanisms implemented in the company.

Many new concepts and mechanisms implemented in the company.

Many new concepts and mechanisms implemented in the company.

Many new concepts and mechanisms implemented in the company.

Many new concepts and mechanisms implemented in the company.

CREATIC
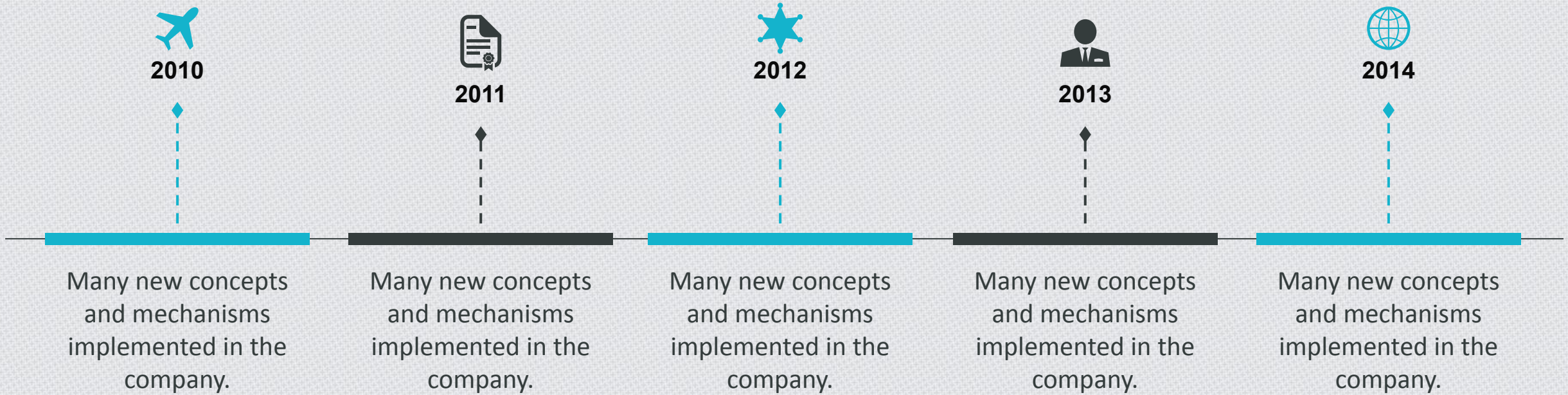
2010

Many new concepts and mechanisms implemented in the company.

2011

Many new concepts and mechanisms implemented in the company.

2012

Many new concepts and mechanisms implemented in the company.

2013

Many new concepts and mechanisms implemented in the company.

2014

Many new concepts and mechanisms implemented in the company.

OUR SERVICES

SERVICE ONE

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

SERVICE TWO

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

SERVICE THREE

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

SERVICE FOUR

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

SERVICE FIVE

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

SERVICE SIX

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

CREATIC

OUR SERVICES

E-COMMERCE

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

HOSTING

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

CODING

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

AUDIO PRODUCTION

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

CREATIC

OUR SERVICES

MUSIC

VIDEO EDITING

EVENT ORGANIZER

SECURITY

Suitable for all categories
business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

Suitable for all categories
business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

Suitable for all categories
business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

Suitable for all categories
business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

CREATIC

OUR TEAM

INSERT IMAGE INSERT IMAGE INSERT IMAGE INSERT IMAGE INSERT IMAGE

MICHAEL	JESSICA	BILLY	JACK	CRYSTAL
Lawyer	Progammer	Adviser	Costumer Services	Public Speaking

CREATIC

OUR TEAM

INSERT IMAGE

JASON SUNDAY

Co-Founder

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

INSERT IMAGE

LUNA AYAM

Creative Director

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

INSERT IMAGE

BRAD CRAFT

Assistant Director

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

CREATIC

OUR TEAM

INSERT IMAGE

JASON SUNDAY

Co-Founder

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

PROFESSIONAL SKILL
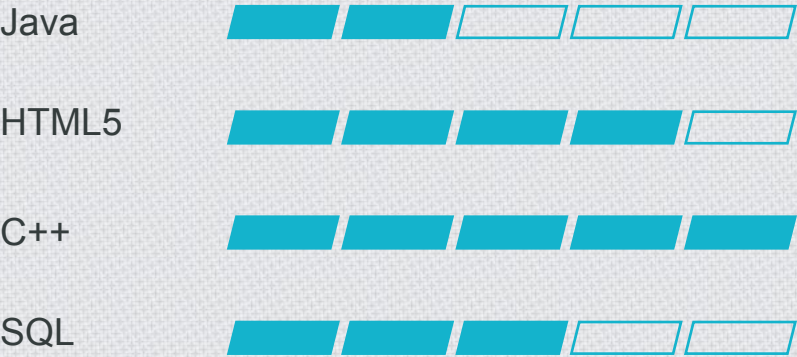
Java

HTML5

C++

SQL

INSERT IMAGE

JOE HANSON

Creative Director

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

PROFESSIONAL SKILL

Java

HTML5

C++

SQL

CREATIC

OUR PORTFOLIO

INSERT IMAGE

PORTFOLIO 1

INSERT IMAGE

PORTFOLIO 2

INSERT IMAGE

PORTFOLIO 3

INSERT IMAGE

PORTFOLIO 4

INSERT IMAGE

PORTFOLIO 5

INSERT IMAGE

PORTFOLIO 6

CREATIC

OUR PORTFOLIO

INSERT IMAGE

CLIENT

Kreatica

PROJECT

Stationary & Print Design

DETAILS

Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting.
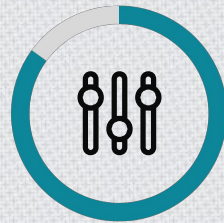
CREATIC

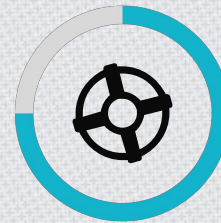# MOBILE DEVELOPMENT

INSERT IMAGE

DETAILS

Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting.
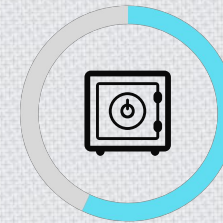
EASY CUSTOMIZING
Suitable for all categories business and personal

FULL SUPPORT
Suitable for all categories business and personal

SECURE CODE
Suitable for all categories business and personal

CREATIC

MOBILE DEVELOPMENT

DETAILS

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

PREMIUM DESIGN

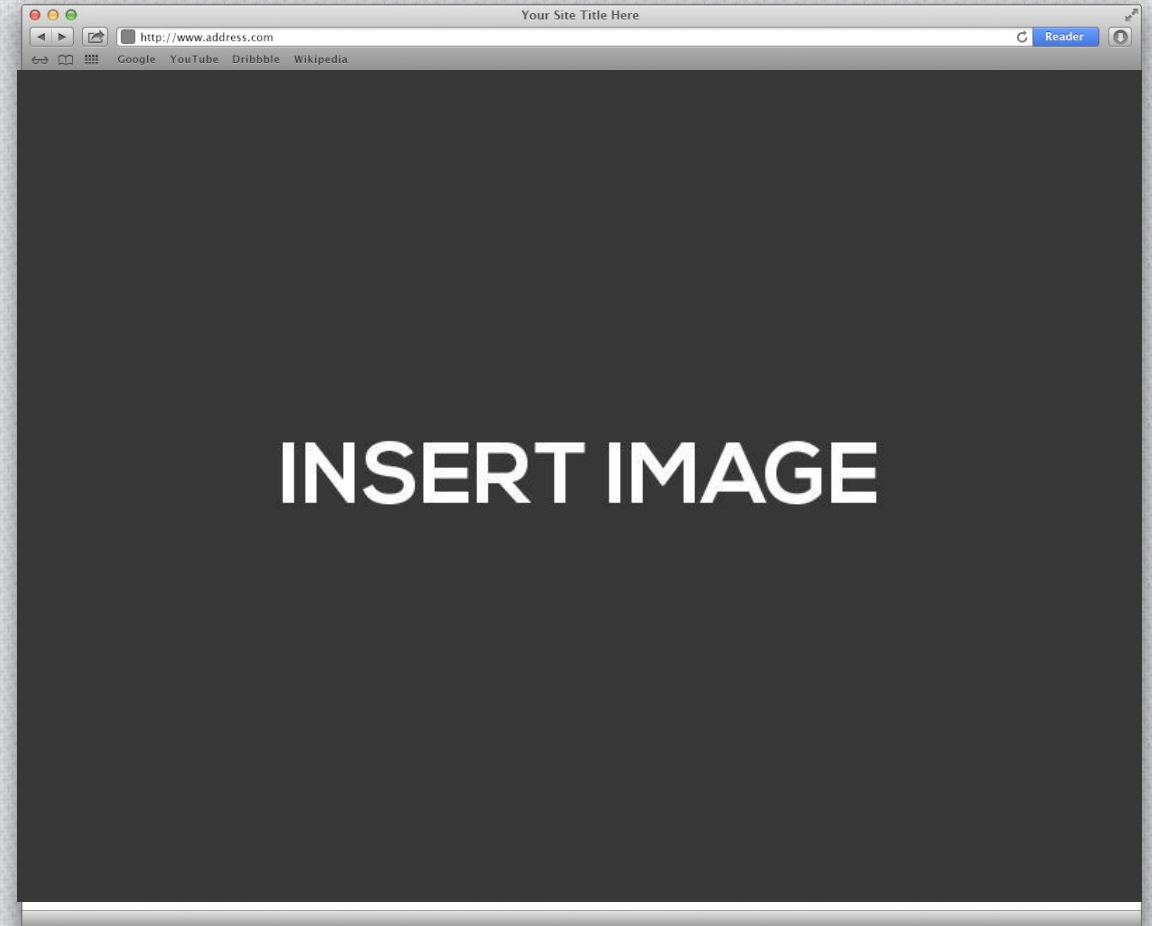Suitable for all categories business and personal presentation

SECURE HOSTING

Suitable for all categories business and personal presentation

HTML 5

Suitable for all categories business and personal presentation

Your Site Title Here

http://www.address.com

Reader

Google   YouTube   Dribbble   Wikipedia

INSERT IMAGE

CREATIC

WEB DEVELOPMENT

FEATURES

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

- ❖ Suitable for all categories business and personal presentation**,**

- ❖ eaque ipsa quae ab illo inventore veritatis et quasi architecto.

- ❖ inventore veritatis et quasi architecto beatae vitae dicta sunt

- ❖ ipsa quae ab illo inventore veritatis et quasi architecto beatae.

WEB DEVELOPMENT

Optimize

Suitable for all categories business and personal presentation

UI Development

Suitable for all categories business and personal presentation

INSERT IMAGE

Great Coding

Suitable for all categories business and personal presentation

Responsive

Suitable for all categories business and personal presentation

DETAILS

Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book.

CREATIC

PRICING TABLE

TITLE	BRONZE	SILVER	GOLD
Bandwidth	60GB	80GB	100GB
Storage	10GB	20GB	30GB
Domain Limit	1	1	2
Security	☐	☐	☐
FREE Domain	-	☐	☐
Free Template	-	-	☐

CREATIC

PRICING TABLE

PRIVATE PLAN

10 $

per month

1 GB Bandwith

10 MB Max File Size

3 GHZ CPU

256 MB Memory

★ Get Private Plan

BUSINESS PLAN

20 $

per month

10 GB Bandwith

50 MB Max File Size

5 GHZ CPU

1024 MB Memory

🏷 Get Business Plan

MEGA PLAN

50 $

per month

Unlimited Bandwith

No Maximum File Size

5 GHZ CPU

4 MB Memory

⚙ Get Mega Plan

CREATIC

OUR PROCESS

STEP 01

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

STEP 02

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

STEP 04

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

STEP 03

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

STEP 01

STEP 02

STEP 03

STEP 04

CYCLE PROCESS

CREATIC

PESTEL ANALYSIS

POLITICS

Suitable for all category, Lorem

Ipsum is not simply random text.

ECONOMY

Suitable for all category, Lorem

Ipsum is not simply random text.

SOCIAL

Suitable for all category, Lorem

Ipsum is not simply random text.

TECHNOLOGY

Suitable for all category, Lorem

Ipsum is not simply random text.

ENVIRONMENT

Suitable for all category, Lorem

Ipsum is not simply random text.

LEGAL

Suitable for all category, Lorem

Ipsum is not simply random text.

Politics

Legal

Economy

PESTEL

Environment

Social

Technology

CREATIC

WORKFLOW

START HERE

CREATE PR PLAN

FINISH ORDER

DELIVERY

RESEARCH

STRATEGY PLAN

FINISH ORDER

DELIVERY

Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting.
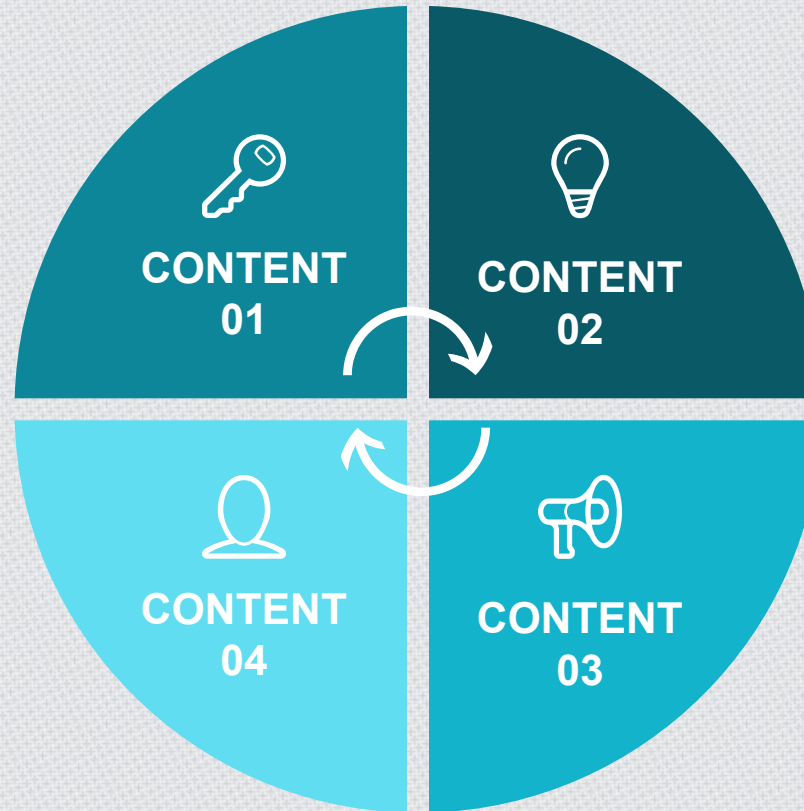
OUR PROCESS

CONTENT 01

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

CONTENT 02

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

CONTENT 04

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

CONTENT 03

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

CONTENT 01

CONTENT 02

CONTENT 04

CONTENT 03

CREATIC

PYRAMID SAMPLE

WORTH

CREATIVE

QUICK

PRO

SMART

STRATEGY

PROPER
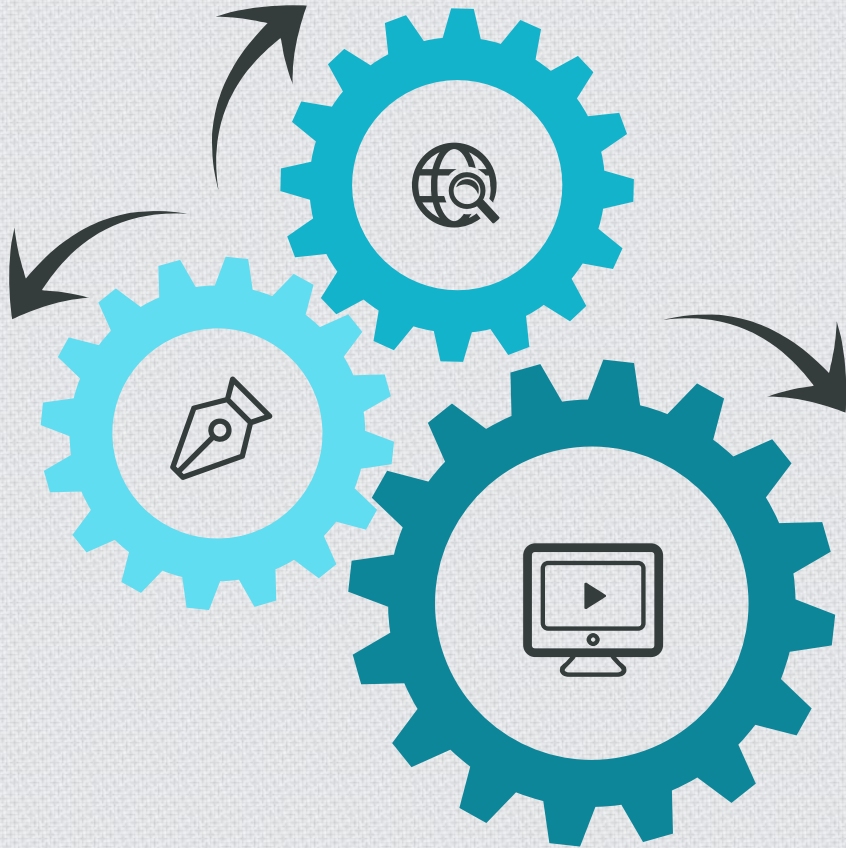
RESEARCH

GOOD SERVICE

ABOUT CHART

45% Of shopping carts are abandoned right before the transaction its completed. Suitable for all categories

For every 6 emails received, we get 3 Phone calls. Suitable for all categories business and personal presentation, Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi

CREATIC

OUR PROCESS

SEO ANALYSIS

20% Of shopping carts are abandoned right before the transaction its completed. Suitable for all categories

COPYWRITING

25% Of shopping carts are abandoned right before the transaction its completed. Suitable for all categories

VIDEO EDITING

65% Of shopping carts are abandoned right before the transaction its completed. Suitable for all categories

CREATIC

OUR PROCESS

PLANNING

Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classical Latin literature from 45 BC.

SKETCHES

Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classical Latin literature from 45 BC.

CODING

Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classical Latin literature from 45 BC.
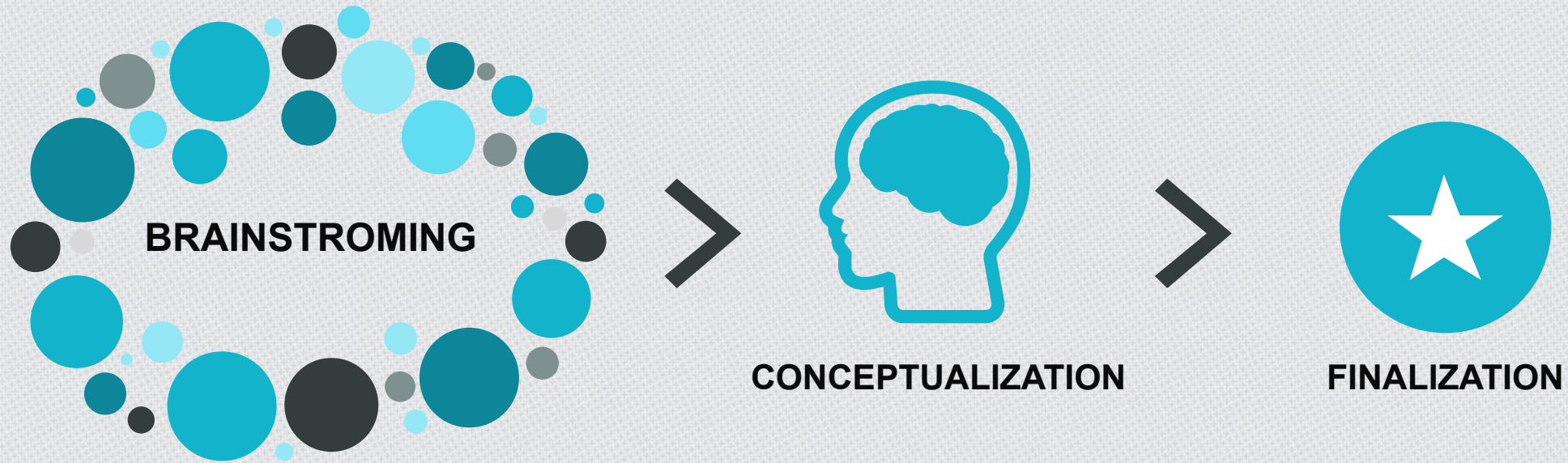
LAUNCH

Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classical Latin literature from 45 BC.

OUR PROCESS

BRAINSTROMING > **CONCEPTUALIZATION** > **FINALIZATION**

DETAILS

Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting.

CREATIC

OUR PROCESS

Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classical Latin literature from 45 BC.

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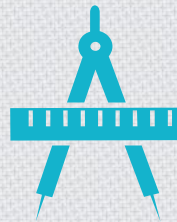
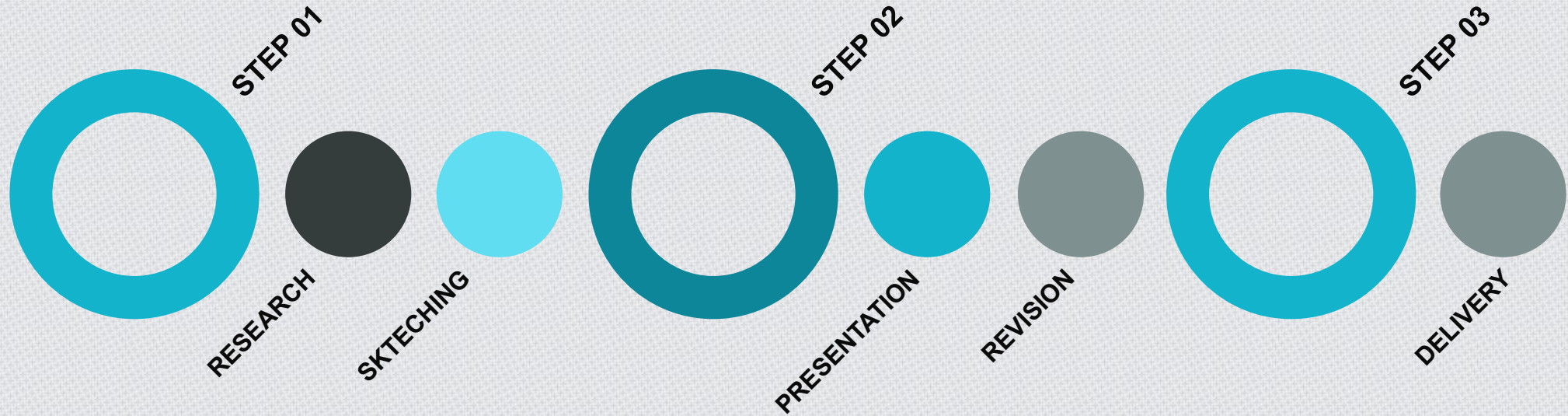**STEP 01** **STEP 02** **STEP 03** **STEP 04** **STEP 05**

Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classical Latin literature from 45 BC.

Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classical Latin literature from 45 BC.

CREATIC

OUR PROCESS

STEP 01

STEP 02

STEP 03

RESEARCH
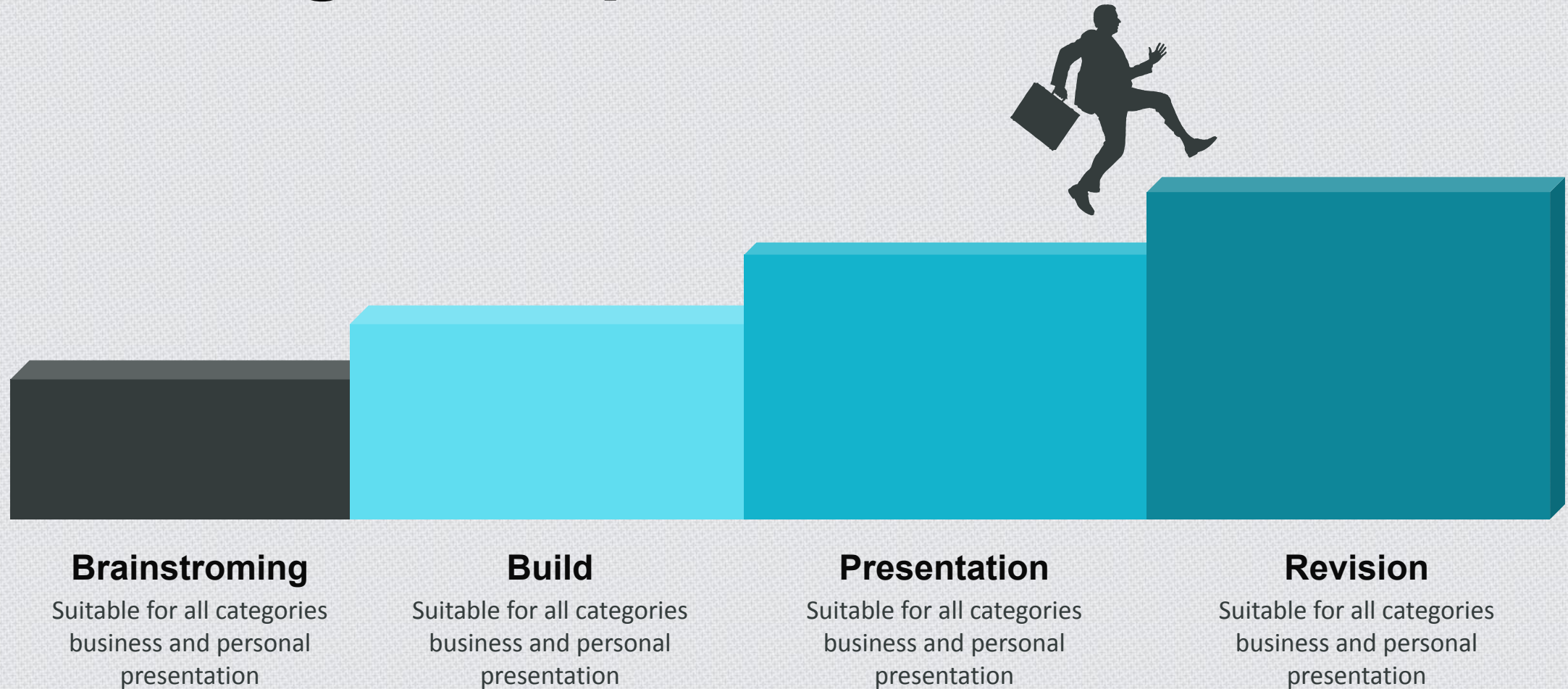
SKTECHING

PRESENTATION
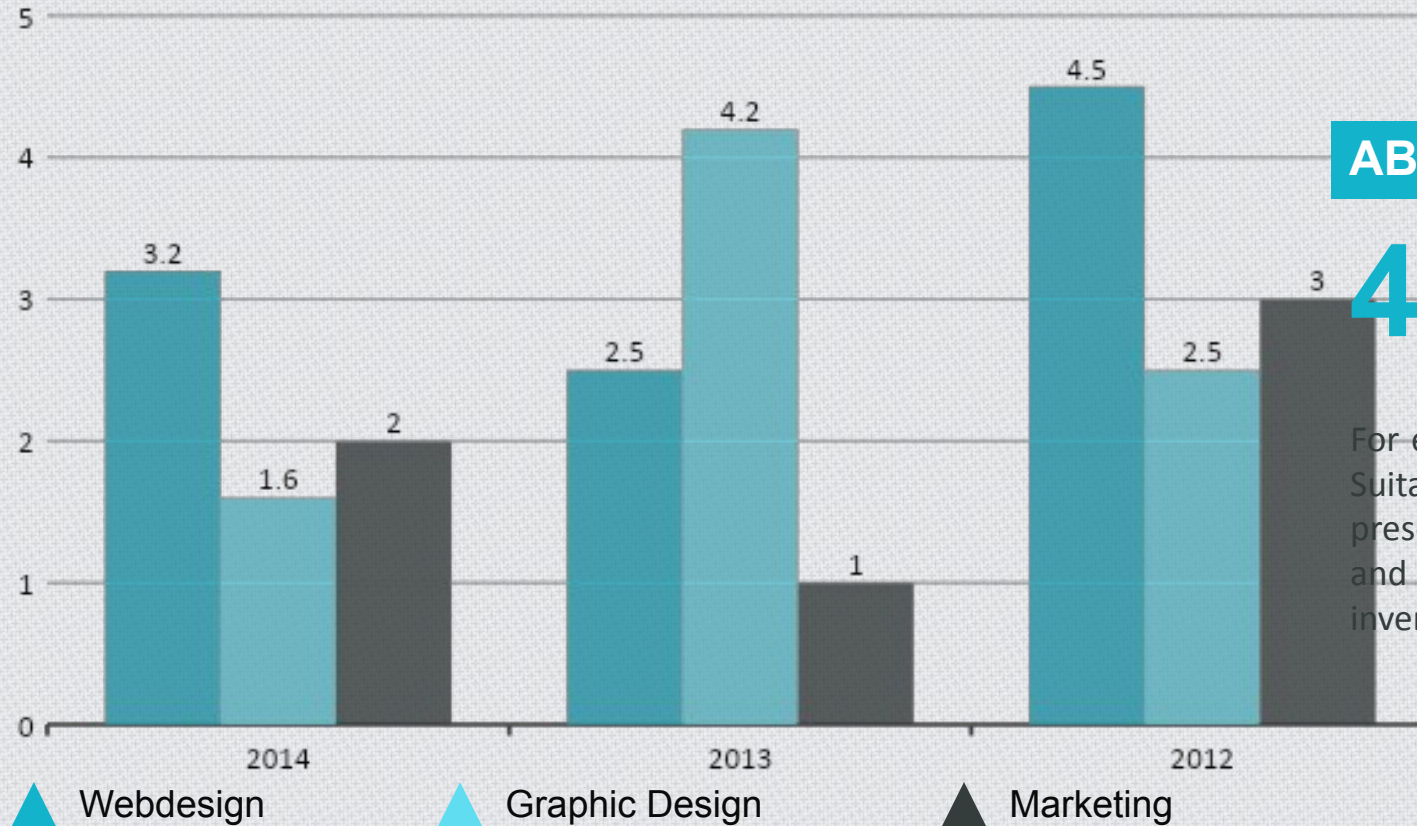
REVISION

DELIVERY

DETAILS

Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting.

CREATIC

Four Stages Step

Brainstroming

Suitable for all categories business and personal presentation

Build

Suitable for all categories business and personal presentation

Presentation

Suitable for all categories business and personal presentation

Revision

Suitable for all categories business and personal presentation

SAMPLE CHART

ABOUT CHART

45%
Of shopping carts are abandoned right before the transaction its completed. Suitable for all categories

For every 6 emails received, we get 3 Phone calls. Suitable for all categories business and personal presentation, Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi

▲ Webdesign   ▲ Graphic Design   ▲ Marketing

SAMPLE CHART

ANALYSIS

35%

Of shopping carts are abandoned right before the transaction its completed. Suitable for all categories

For every 6 emails received, we get 3 Phone calls. Suitable for all categories business and personal presentation, Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi
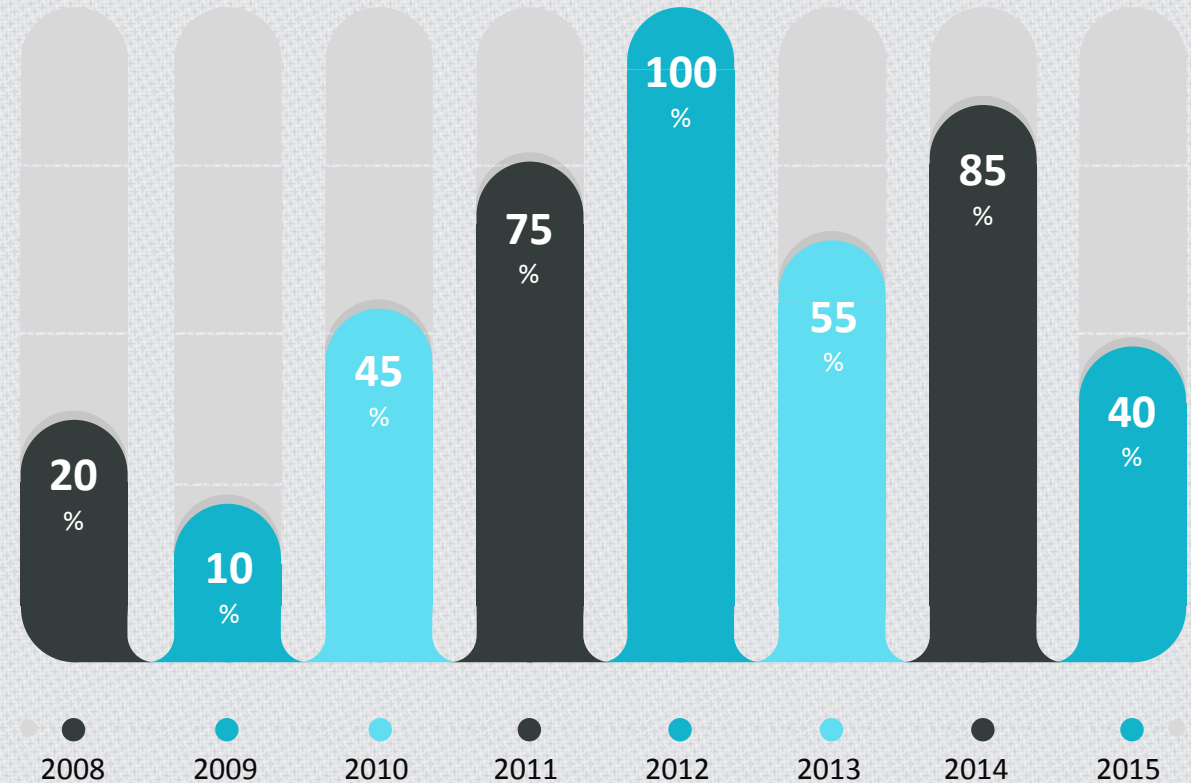
20 %

10 %

45 %

75 %

100 %

55 %

85 %

40 %

2008 2009 2010 2011 2012 2013 2014 2015

CREATIC

SAMPLE CHART

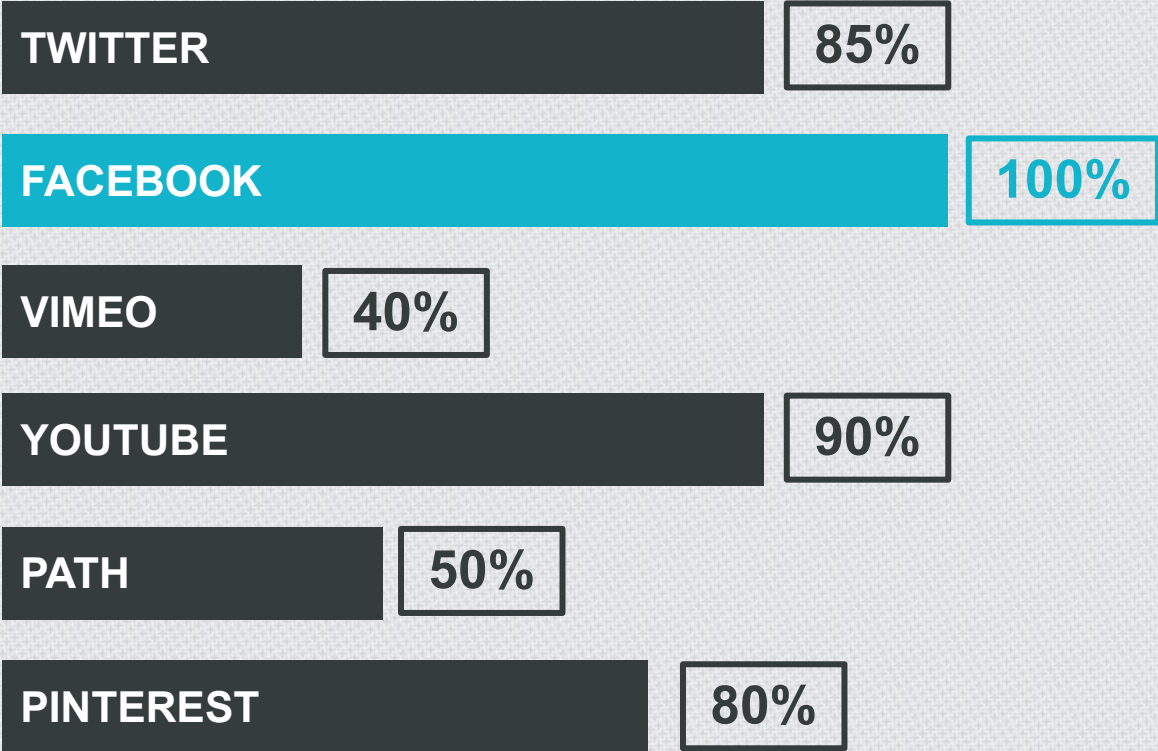|	
TWITTER	85%
FACEBOOK	100%
VIMEO	40%
YOUTUBE	90%
PATH	50%
PINTEREST	80%

SOCIAL MEDIA

35%
Of shopping carts are abandoned right before the transaction its completed. Suitable for all categories

For every 6 emails received, we get 3 Phone calls. Suitable for all categories business and personal presentation, Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi
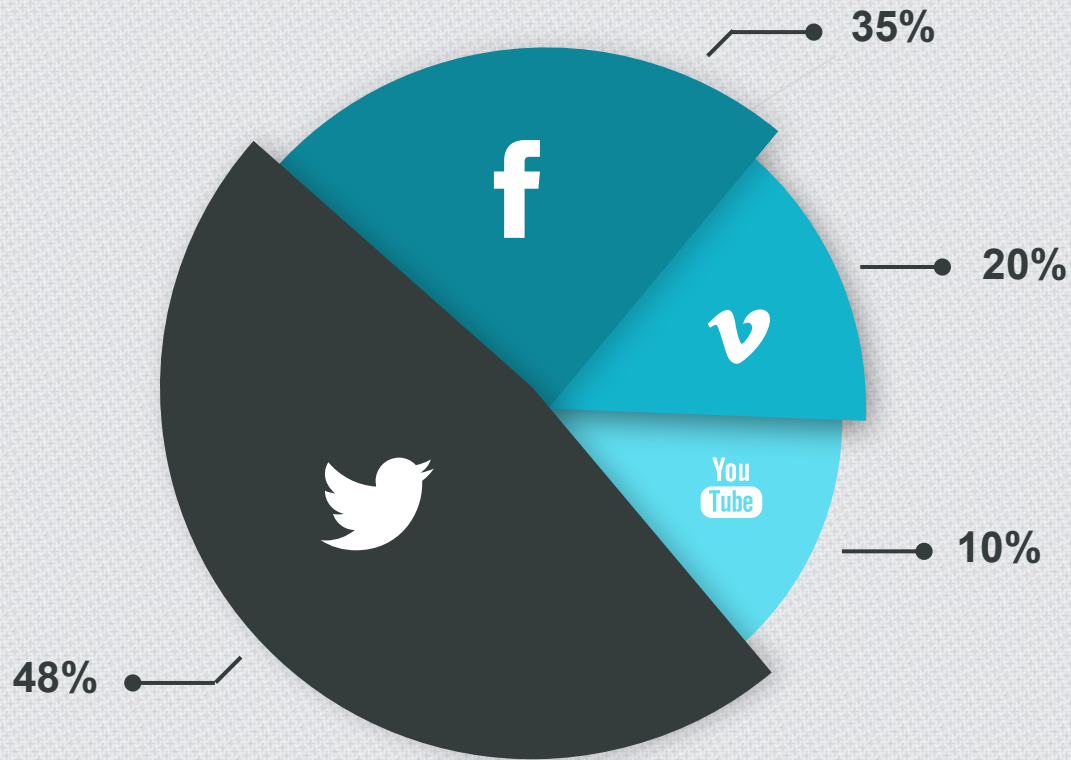
CREATIC

SAMPLE CHART

35%

20%

10%

48%

SOCIAL MEDIA

35%

Of shopping carts are abandoned right before the transaction its completed. Suitable for all categories

For every 6 emails received, we get 3 Phone calls. Suitable for all categories business and personal presentation, Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi
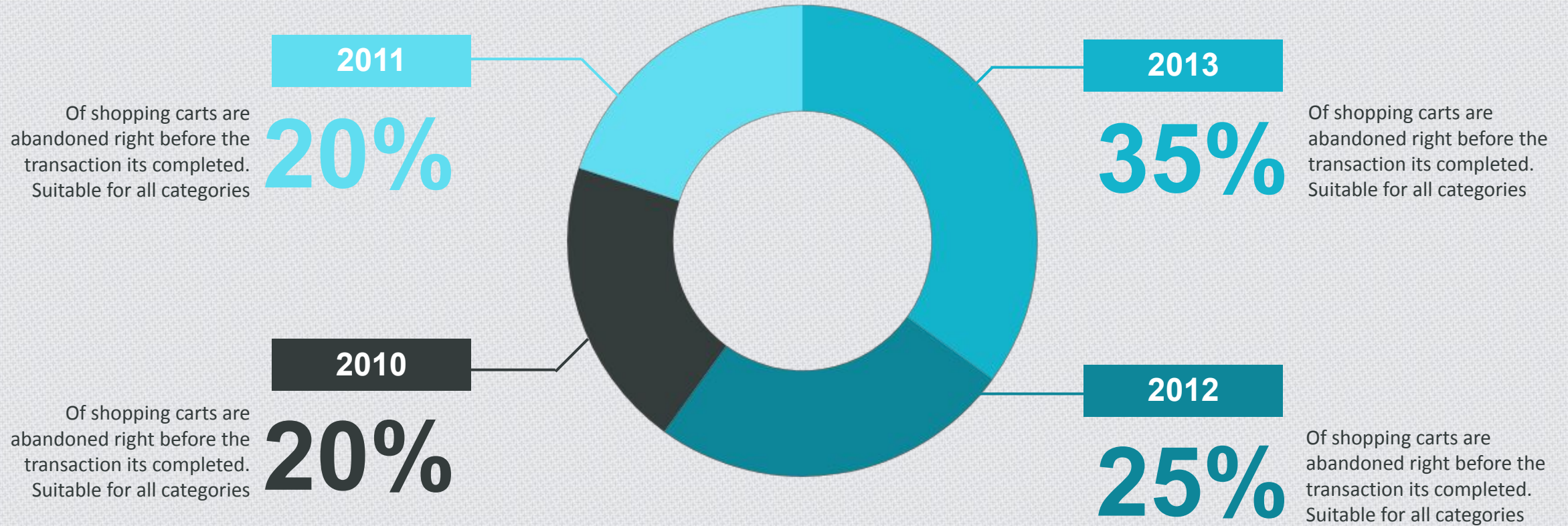
57%
Visits via Computers

43%
Visits via Smartphone

SAMPLE CHART

2011

Of shopping carts are abandoned right before the transaction its completed. Suitable for all categories

20%

2013

Of shopping carts are abandoned right before the transaction its completed. Suitable for all categories

35%

2010

Of shopping carts are abandoned right before the transaction its completed. Suitable for all categories

20%

2012

Of shopping carts are abandoned right before the transaction its completed. Suitable for all categories
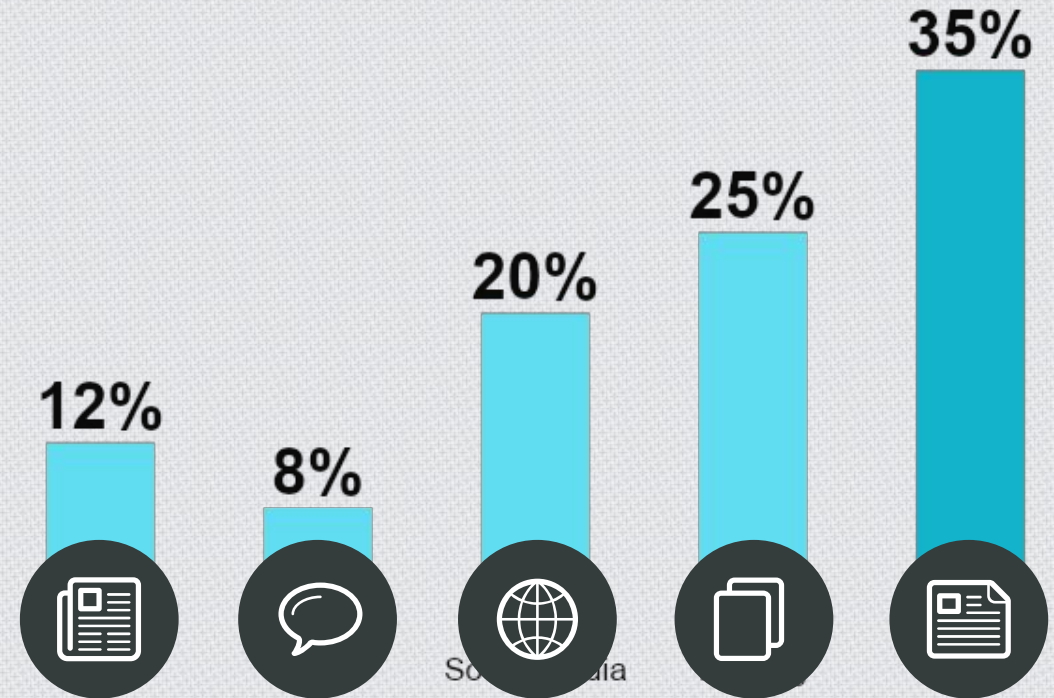
25%

SAMPLE CHART

PROMOTION

35%

Of shopping carts are abandoned right before the transaction its completed. Suitable for all categories

For every 6 emails received, we get 3 Phone calls. Suitable for all categories business and personal presentation, Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi

12%

8%

20%

25%

35%

SAMPLE CHART

SALES REVIEW

45%

Of shopping carts are abandoned right before the transaction its completed. Suitable for all categories

For every 6 emails received, we get 3 Phone calls. Suitable for all categories business and personal presentation, Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi
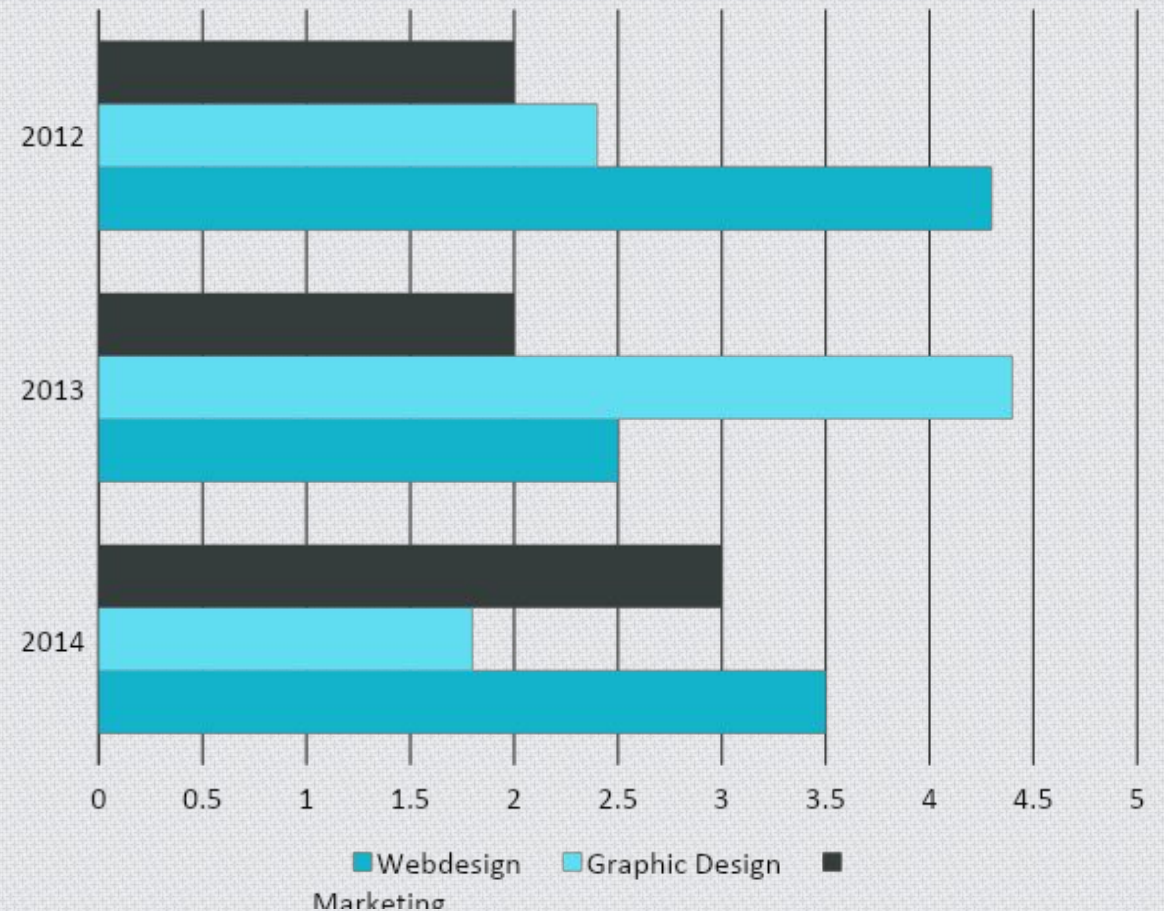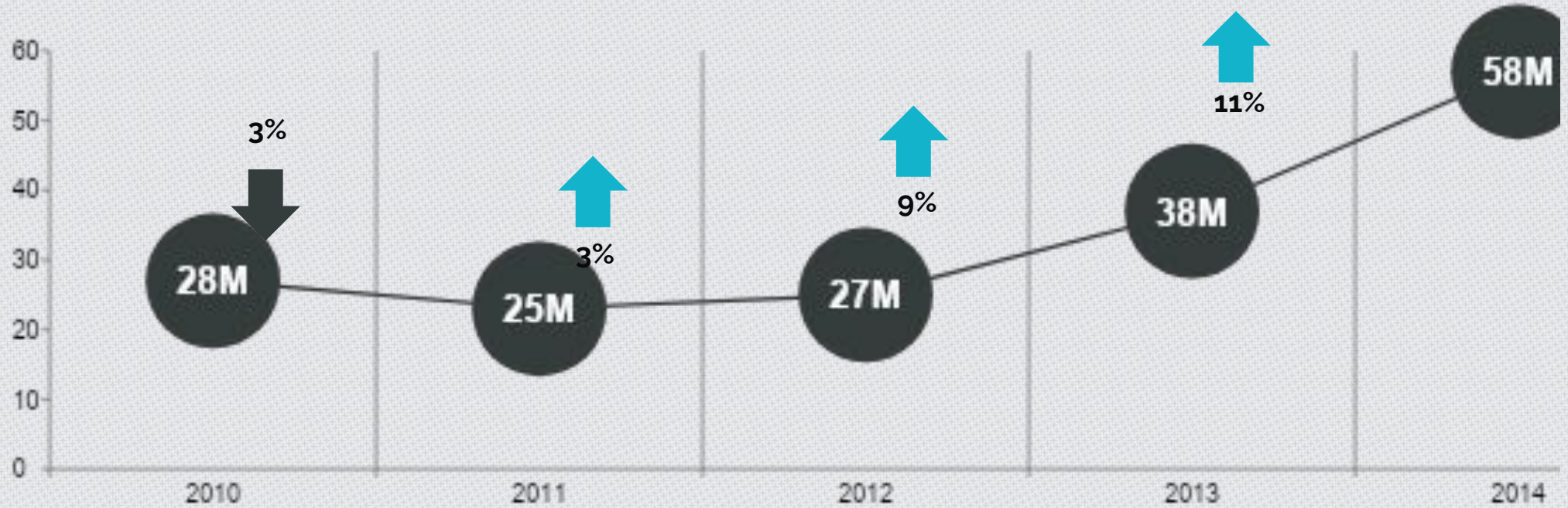

Legend: ■ Webdesign ■ Graphic Design ■ Marketing

CREATIC

SAMPLE CHART

3%
3%
9%
11%

28M
25M
27M
38M
58M

2010   2011   2012   2013   2014

DETAILS

Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting.

CREATIC

COMPARE PRODUCT

SCORE

4.1

★★★★★
47,529 user

INSERT IMAGE

INSERT IMAGE

SCORE

4.3

★★★★★
45,529 user

65%	PERFOMANCE
95%	DESIGN
75%	PRICE

PERFOMANCE	75%
DESIGN	60%
PRICE	55%

CREATIC

SWOT ANALYSIS

STRENGTH

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto
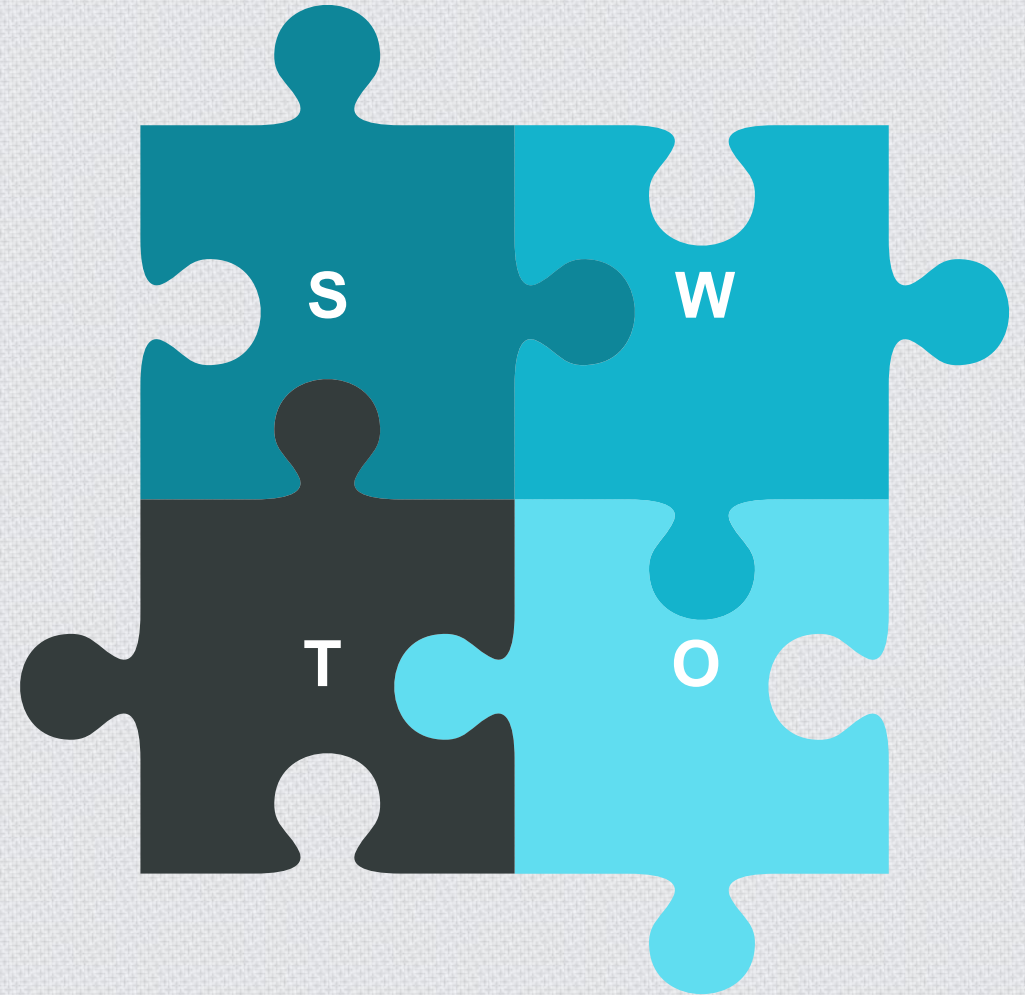
WEAKNESS

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

OPPORTUNITY

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

THREAT

Suitable for all categories business and personal presentation, eaque ipsa quae ab illo inventore veritatis et quasi architecto

S W T O

CREATIC

SAMPLE MATRIX

	HELPFUL (for your objective)	**HARMFUL** (for your objective)
INTERNAL (within organisation)	**Strengths** - Mauris ac dolor vitae sem tempor finibus. - Phasellus suscipit tellus a varius rutrum. - Curabitur vel nisl sit amet ante aliquam tristique at id urna.	**Weaknesses** - Mauris ac dolor vitae sem tempor finibus. - Phasellus suscipit tellus a varius rutrum. - Curabitur vel nisl sit amet ante aliquam tristique at id urna.
HARMFUL Outside Organization)	**Opportunities** - Duis feugiat mi vitae magna tristique, vel consequat ex tincidunt. - Integer ultricies sapien in vestibulum consequat. - Nulla eget sem lacinia, laoreet, porttitor diam.	**Threats** - Mauris ac dolor vitae sem tempor finibus. - Phasellus suscipit tellus a varius rutrum. - Curabitur vel nisl sit amet ante aliquam tristique at id urna.

USA MAP

FACEBOOK

45%
Of shopping carts are abandoned right before the transaction its completed. Suitable for all categories

TWITTER

45%
Of shopping carts are abandoned right before the transaction its completed. Suitable for all categories

VIMEO

45%
Of shopping carts are abandoned right before the transaction its completed. Suitable for all categories

CREATIC

EUROPE MAP

TWITTER

↑ **25%** Of shopping carts are abandoned right before the transaction its completed. Suitable for all categories

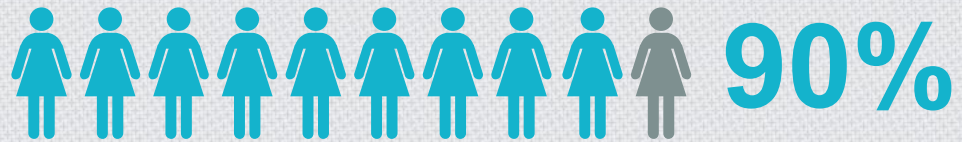**Russia**

Turkey

UK

Spain

SOCIAL MEDIA

USER ANALYSIS

75%

90%

For every 6 emails received, we get 3 Phone calls. Suitable for all categories business and personal presentation, Suitable for all categories business and personal presentation.

CONTACT US

INSERT IMAGE

ADDRESS

Braga City Walk, 3th floor, West Java, Indonesia 30925

PHONE

547-999-317

E-MAIL

Info@creatic.Com

WEBSITE

www.Creatic.com

CREATIC