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**BANGALORE - 560068**

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**A WEB SITE DEVELOPMENT REPORT**

***ON***

**“RESPONSIVE WEBSITE**

**-online educational platform”**

**SUBMITTED TO THE IVth SEMESTER**

**WEB TECHNOLOGIES(19CS2405)-2021**

**BACHELOR OF TECHNOLOGY**

***IN***

**COMPUTER SCIENCE & ENGINEERING**

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**CERTIFICATE**

This is to certify that the report on Web Site Development entitled

**“RESPONSIVE WEBSITE-online** **educational platform**”being submitted by

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***Date***:\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Signature of the Faculty in Charge***

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***Signature of the Chairman***

**ABSTRACT**

* WHAT IS RESPONSIVE WEBSITE?
* Responsive Web design is the approach that suggests that design and development should respond to the user’s behavior and environment based on screen size, platform and orientation.
* The practice consists of a mix of flexible grids and layouts, images and an intelligent use of CSS media queries.
* As the user switches from their laptop to iPad, the website should automatically switch to accommodate for resolution, image size and scripting abilities.

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**1.) INTRODUCTION**

**1.1)Problem Statement**

* WEBSITE CREATION
* To make a responsive website look good on all devices! As it will automatically adjust for different screen sizes and viewports.
* Our website is an online educational platform.

**2.)REQUIREMENT SPECIFICATION**

**2.1) HARDWARE REQUIREMENTS**

* Processor: Intel Pentium III
* Hard Disk Drive: 40GB
* RAM: 500MB
* Cache: 512kb
* Monitor, Keyboard, Mouse and the other necessary hardware devices.

**2.2)SOFTWARE REQUIREMENTS**

* VISUAL STUDIO
* WEB BROWSER

**2.2.1)Front end requirement specification**

* HTML
* CSS
* JAVA SCRIPT

**3)ANALYSIS AND DESIGN**

We have included various sections

**3.1)Website  Application Structure**

**HTML**

* <HTML></HTML>
* <HEAD>  </HEAD>
* <TITLE></TITLE>
* <P></P>
* <A HREF></A>
* <SECTION></SECTION>
* <FORM>
* <INPUT TYPE="">
* </FORM>
* <SPAN></SPAN>
* <IMG SRC>
* <H1></H1>-HEADING TAGS
* <DIV></DIV>
* <BUTTON></BUTTON>
* <UL>
* <LI></LI>
* </UL>

**CSS**

We have used external style sheet .

We have included various styling tags :

SELECTORS USED:

SIMPLE SELECTOR

1. CLASS SELECTOR
2. ID SELECTOR
3. UNIVERSAL SELECTOR

There are three ways of inserting a style sheet:

* External CSS
* Internal CSS
* Inline CSS
* background-size
* max-width
* font-size
* width
* display
* border
* position
* z-index
* transition
* list-style
* text-decoration
* borer styles
* border colors
* margin shorthand property
* css padding
* css height and width
* css box model
* outline
* css text color and background color
* css font family property
* css display
* height
* background-image
* background-position
* text-decoration-color
* cursor
* align-items
* flex-wrap
* flex-basis
* css layout - the position property
* static
* relative
* fixed
* absolute
* sticky
* justify-content
* box-shadow
* box-sizing
* transform

**JAVASCRIPT**

<script>

        var menuBtn=document.getElementById("menuBtn");

        var sideNav=document.getElementById("sideNav");

        sideNav.style.right="-250px";

        menuBtn.onclick=function()

        {

            if(sideNav.style.right=="-250px")

            {

                sideNav.style.right="0";

            }

            else

{

                sideNav.style.right="-250px";

            }

        }

            var scroll = new SmoothScroll('a[href\*="#"]', {

                speed: 1000,

                speedAsDuration: true

            });

    </script>

**4)IMPLEMENTATION**

**4.1)PROGRAMMING LANGUAGE FOR IMPLEMENTATION**

* JAVASCRIPT
* HTML
* CSS

**4.2)PACKAGES USED/LIBRARIES USED:**

<https://cdn.jsdelivr.net/gh/cferdinandi/smooth-scroll/dist/smooth-scroll.polyfills.min.js>

**5)APPLICATIONS AND CONCLUSION**

**5.1 APPLICATIONS**

A responsive website and a mobile app share many of the same purposes. First and foremost, they allow users to interact with a brand through their mobile phone, so either way, it’s a step in the right direction.

If you’re building both from scratch, a responsive website will be much less expensive than a mobile app. This is why many businesses choose to go with a responsive design and call it a day.

* Media queries.
* Fluid grids.
* Flexible visuals.
* Dropbox.
* Dribbble.
* GitHub.
* Klientboost.
* Magic Leap.

**5.2 CONCLUSION**

* Attract a wider audience.
* Easier to monitor analytics.
* Easier to maintain.
* Boost for SEO.
* Consistency in design and brand.
* Lower bounce rates.
* Improved conversion rates.

**6)SNAPSHOTS**











