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ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

**E-COMMERCE WEBSITE FOR
CONSTRUCTION.**

23ITR201 & FUNDAMENTALS OF WEB DESIGN

**MINI PROJECT
REPORT**

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ABSTRACT

The Construction industry is rapidly embracing digital transformations, and e-commerce platforms are emerging as a game-changer for both contractors and suppliers. This paper proposes a concept for an e-commerce website specifically tailored to the construction industry need's.

TARGET AUDIENCE:

- Contractors (individual and small businesses).
- Construction companies (of all sizes).
- Architects and engineers.

KEY FEATURES:

- Extensive Product Catalog.
- Advanced Search and filtering.
- Bulk Ordering and Quotation System,
- Inventory Management.
- Project Management Tools.
- Technical Resources and Support.

1.INTRODUCTION

1.1 OBJECTIVE:

► Increase Sales and Market Share:

- Establish the website as the preferred online destination for construction materials, tools, and equipment.
- Attract new customers (contractors, construction companies, architects, engineers) by offering a wider selection and competitive pricing.
- Increase sales volume through efficient ordering processes, bulk discounts, and targeted promotions.

► Enhance Customer Experience:

- Provide a user-friendly platform with intuitive navigation and advanced search functionalities.
- Offer detailed product information, technical specifications, and high-quality product images.
- The ordering process with secure payment options, quick order confirmations, and real-time order tracking.
- Deliver exceptional customer service through dedicated support channels and readily available technical resources.

► Improve Operational Efficiency:

- Efficient inventory management systems to ensure product availability and minimize stockouts.
- Automate order processing and fulfillment to reduce turnaround times and delivery delays.
- Offer flexible delivery options tailored to construction project needs (on-site delivery, local pick-up, integration with logistics providers).

► Build Brand Awareness and Trust:

- Establish a strong brand identity that resonates with the construction industry.
- Provide valuable educational content, project management tools, and industry news to position the website as a trusted resource.
- Encourage customer reviews and testimonials to build trust and social proof.

2.REQUIREMENTS SPECIFICATION

2.1 Requirements

- > THERE SHOULD BE HIGH QUALITY IMAGES
- > NEEDED VISUAL STUDIO CODE PLATFORM TO CODE
- > EXTERNAL CSS FILE
- > COLOR COMBINATIONS
- > FORMS
- > CSS
- > EXTERNAL FILES WITH ATTACHED IMAGES
- > GRADIENT
- > CSS REQUIRED

3.DETAILED DESIGN

TAGS:

- **<html>** : It is the keywords on a web page that define how your web browser must format and display your web page.
- **<head>** : It is used to define the head section of an HTML document.
- **<title>** : It allows you to give a web page a title. This title can be found in the browser title bar
- **<body>** : It contains all the contents of an HTML document, such as headings, paragraphs, images, hyperlinks, tables, lists, etc.
- **<h1>** : It is used to create the main title on a webpage and helps indicate the page's primary topic to visitors and search engines.
- **<p>** : It is used to create a paragraph on the webpage to give some information.
- **
** : inserts a single line break.
- **** : It is used to use for the unordered list.
- **** : It is used to define a list.
- **<link>** : It defines the relationship between the current document and an external resource.
- **<a>** : It defines hyperlinks, allowing users to navigate from one page to another.
- **<div>** : It defines a division or a section in an HTML document.
- **** : It is used to insert a image in the html document.

PROPERTIES:

- **style** : It is used to define style information (CSS) for a document. Inside the **<style>** element you specify how HTML elements should render in a browser. The **<style>** element must be included inside the **<head>** section of the document.

4.PROJECT IMPLEMENTATION

MAIN FILE CODE:

home.html:

```
<html>
  <head>
    <title>717823I240
    </title>
  </head>
  <link rel="stylesheet" href="external.css">
  <body>
    <header>
      <ul>
        <li><a href="aboutus.html"><b>ABOUT US</b></a></li>
        <li><a href="contact.html"><b>CONTACT</b></a></li>
        <li><a href="project.html"><b>PROJECTS</b></a></li>
        <li><a class=active href="home.html"><b>HOME</b></a></li>
      </ul>
    </header>
    <footer>
      <h2 style="text-align:center;font-family:Impact, Haettenschweiler, 'Arial Narrow Bold', sans-serif;font-size:250%;" ><b>CONSTRUCTION/ BARBENDINGS/ EXTERIOR
DESIGNS</b></h2>
      <h1 style="text-align: center;font-family:'Trebuchet MS', 'Lucida Sans Unicode', 'Lucida Grande', 'Lucida Sans', Arial, sans-serif;font-size:230%;"><b>PREMIUM BARBENDING AND
DESIGN SERVICE</b></h1>
    </footer>
  </body>
</html>
```

external.css:

```
body{
  background-image: url('wallbar.jpg');
```

```
    background-position: center;
    background-size: 100%;
}
#background-image{
    opacity: 0.6;
}
input{
    width: 70px;
    height: 50px;
    text-align: center;
    font-family: monospace;
    margin: 17%;
}
h2{
    color:black;
    padding-top:25%;
    padding-right:36%;
}
h1{
    color:white;
    padding-top:0;
    padding-right:36%;
}
ul {
    background-color:rgba(0, 0, 0, 0.);
    background-size: 50px;
    list-style-type: none;
    margin: 0;
    padding: 0;
    overflow: hidden;
}
```



```
li {  
    float:right;  
}
```

```
li a {  
    display: block;  
    color: rgb(255, 255, 255);  
    text-align: center;  
    padding: 14px 16px;  
    text-decoration: none;  
}
```

```
li a:hover {  
    background-color:rgba(255, 174, 0, 0.922);  
}
```

```
a.active{  
    background-color:rgba(255, 174, 0, 0.922); ;  
}
```

project.html:

```
<html>  
    <head>  
        <title>717823I240  
        </title>  
    </head>  
    <link rel="stylesheet" href="project.css">  
    <body>  
        <header>  
        <ul>  
            <li><a href="aboutus.html"><b>ABOUT US</a></li>  
            <li><a href="contact.html"><b>CONTACT</b></a></li>  
            <li><a class=active href="project.html"><b>PROJECTS</b></a></li>
```

```

        <li><a href="home.html"><b>HOME</b></a></li>
    </ul>

    <H2>PROJECTS ONGOING</H2>

    <div>

        

        <h3>THIS IS THE UPPER BASEMENT PROJECTS ONGOING IN INDRA NAGAR AT
        HOSUR.IT WAS AROUND 1800 SQUARE FEETS.</h3>

    </div>

    

    <h3>THIS IS THE BASEMENT PROJECT ONGOING ON ALASANATHAM AT
    HOSUR.IT WAS AROUND 1200 SQUARE FEETS.</h3>

    

    <h3>THIS IS THE PILLAR CONSTRUCTION STRUCTURE FOR AROUND 1200
    SQUARE FEET AREA HOUSE IN DENKANNIKOTTA AT KRISHNAGIRI DISTRICT.</h3>
</body>
</html>

```

contact.html:

```

<html>
    <head>
        <title>717823I240
        </title>
    </head>
    <link rel="stylesheet" href="contact.css">
    <body>
        <header>
            <ul>
                <li><a href="aboutus.html"><b>ABOUT US</b></a></li>
                <li><a class=active href="contact.html"><b>CONTACT</b></a></li>
                <li><a href="project.html"><b>PROJECTS</b></a></li>
                <li><a href="home.html"><b>HOME</b></a></li>
            </ul>
        </header>

```

```

    
</body>
</html>

```

aboutus.html:

```

<html>
  <head>
    <title>717823I240
    </title>
  </head>
  <link rel="stylesheet" href="aboutus.css">
  <body>
    <header>
      <ul>
        <li><a class=active href="aboutus.html"><b>ABOUT US</b></a></li>
        <li><a href="contact.html"><b>CONTACT</b></a></li>
        <li><a href="project.html"><b>PROJECTS</b></a></li>
        <li><a href="home.html"><b>HOME</b></a></li>
      </ul>
    </header>
    <h2><b>HERE IT IS <span style="color:black">KESAVAN SADASIVAM</span>
    PROVIDING BAR BENDING WORKS AND HOME INTERIOR DESIGNS FOR 15
    YEARS<br> WE OFFEREING WORKS AROUND AREAS OF HOSUR AND NEARBY
    DISTRICTS<br>WE ARE 8 MEMBERS CREW NAMELY<span
    style="color:black">[RAMAKRISHNAN,KUMAR,RAJESH,BOLAPPA,SIVANNA,RAJANNA,
    GURU,KESAVAN]</span>.<br>SINCE 2010 WE COMPLETED ALMOST 2000 PROJECTS
    AROUND HOSUR AND OTHER DISTRICTS.<br>WE ALSO CONSTRUCTT THE
    BASEMENT FOR HOUSE ALSO.I EXPEREINCED FOR 15 YEARS IN BAR BENDING
    FILED<br> AND MAKING DESGNIFULL HOUSES AROUND HOSUR. </b></h2>
  </body>
</html>

```

CODE IMPLEMENTATION:



HOME PROJECTS CONTACT ABOUT US

PROJECTS ONGOING



THIS IS THE UPPER BASEMENT PROJECTS ONGOING IN INDRA NAGAR AT HOSUR. IT WAS AROUND 1800 SQUARE FEET.



THIS IS THE BASEMENT PROJECT ONGOING ON ALASANATHAM AT HOSUR. IT WAS AROUND 1200 SQUARE FEET.



[HOME](#)
[PROJECTS](#)
[CONTACT](#)
[ABOUT US](#)



VENKATESH NAGAR, HOSUR, KRISHNAGIRI DIST

aagbarbendings@gmail.com

9894399465



[HOME](#)
[PROJECTS](#)
[CONTACT](#)
[ABOUT US](#)

HERE IT IS KESAVAN SADASIVAM PROVIDING BAR BENDING WORKS AND HOME INTERIOR DESIGNS FOR 15 YEARS
 WE OFFERING WORKS AROUND AREAS OF HOSUR AND NEARBY DISTRICTS
 WE ARE 8 MEMBERS CREW NAMELY [RAMAKRISHNAN, KUMAR, RAJESH, BOLAPPA, SIVANNA, RAJANNA, GURU, KESAVAN]
 SINCE 2010 WE COMPLETED ALMOST 2000 PROJECTS AROUND HOSUR AND OTHER DISTRICTS.
 WE ALSO CONSTRUCT THE BASEMENT FOR HOUSE ALSO. I EXPERIENCED FOR 15 YEARS IN BAR BENDING FIELD
 AND MAKING DESIGNFULL HOUSES AROUND HOSUR.

5.CONCLUSION:

Launching an e-commerce website for barbending works presents a lucrative opportunity to streamline operations, reach a wider audience and enhance customer convenience. By leveraging digital platforms, businesses can efficiently showcase their services, and provide seamless customer support. Embracing e-commerce not only modernizes traditional industries but also fosters growth and competitiveness in the digital age.