**PROJECT**

**INCESSANT KNOWLEDGE IN THE METHOD OF FEASIBLE SOURCES THROUGH PROGNOSIS**

**ABSTRACT:**

Learning in a non-stationary environment is machine learning's hardest hurdle. The data you're using to train your model has therefore evolved over time, according to this. For instance, it may be difficult to anticipate a person's future behavior based just on a prior arrest if you're attempting to determine whether or not they would commit a crime. For machine learning algorithms, one of the main obstacles is learning in a non-stationary environment. This is due to the fact that we frequently want to use the data that we used to train an algorithm on when we use it. However, our system might not be able to keep up with changes in the data itself. Here in our model we have proposed Ridge regression, which is applied to our application phosphate minerals mining, where the continuous learning is a mandatory one. Ridge regression is a statistical technique for examining time series data is ridge regression. It uses a model with an offset term, ridge term, and linear predictor as its foundation. Based on present values, the linear predictor is used to forecast future values. The offset term in the model is normally set to zero, however it can be non-zero if you want to take into consideration previous values. In our model, the ridge term is an exponent. It explains how much more change there will be in the following number when compared to earlier values.

**CODINGS**

**Frontend Codings:**

<!doctype html>  
{% load static %}  
<html lang="en">  
  
<head>  
 <!-- Required meta tags -->  
 <meta charset="utf-8">  
 <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">  
  
 <title>Washing - Laundry Category Bootstrap Responsive Website Template - Home :: W3Layouts</title>  
  
 <!-- web fonts -->  
 <link href="//fonts.googleapis.com/css?family=Roboto:400,700,900&display=swap" rel="stylesheet">  
 <link href="//fonts.googleapis.com/css2?family=Open+Sans:wght@300;400;600;700;800&display=swap" rel="stylesheet">  
 <!-- web fonts -->  
  
 <!-- Template CSS -->  
 <link rel="stylesheet" href="{% static 'module/assets/css/style-starter.css' %}">  
</head>  
  
<body>  
<!-- header -->  
<header class="w3l-header">  
 <div class="hero-header-11">  
 <div class="hero-header-11-content">  
 <div class="container">  
 <nav class="navbar navbar-expand-lg navbar-light py-0 px-0">  
 <a class="navbar-brand" href="index.html"><img src="assets/images/logo-icon.png" alt="" />Conn<span class="logo-view">ectors</span></a>  
 <!-- if logo is image enable this  
 <a class="navbar-brand" href="#index.html">  
 <img src="image-path" alt="Your logo" title="Your logo" style="height:35px;" />  
 </a> -->  
 <button class="navbar-toggler collapsed" type="button" data-toggle="collapse" data-target="#navbarSupportedContent"  
 aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">  
 <span class="navbar-toggler-icon fa icon-expand fa-bars"></span>  
 <span class="navbar-toggler-icon fa icon-close fa-times"></span>  
 </button>  
  
 <div class="collapse navbar-collapse" id="navbarSupportedContent">  
 <ul class="navbar-nav ml-auto">  
 <li class="nav-item active">  
 <a class="nav-link" href="/connectors\_home/">Home <span class="sr-only">(current)</span></a>  
 </li>  
 <li class="nav-item @@about-active">  
 <a class="nav-link" href="/process\_ore\_material/">Process Ore Material</a>  
 </li>  
 <li class="nav-item @@services-active">  
 <a class="nav-link" href="/crushing\_unit/">To Crushing Unit</a>  
 </li>  
 <li class="nav-item @@contact-active">  
 <a class="nav-link" href="/connectors\_logout/">Logout</a>  
 </li>  
 </ul>  
<!-- <ul class="social-icons">-->  
<!-- <li><a href="#url"><span class="fa fa-facebook" aria-hidden="true"></span></a></li>-->  
<!-- <li><a href="#url"><span class="fa fa-twitter" aria-hidden="true"></span></a></li>-->  
<!-- <li><a href="#url"><span class="fa fa-instagram" aria-hidden="true"></span></a></li>-->  
<!-- </ul>-->  
<!-- <div class="phone">-->  
<!-- <a href="tel:+44-123-456-78"><span class="fa fa-headphones" aria-hidden="true"></span> +44-123-456-78</a>-->  
<!-- </div>-->  
 </div>  
 </nav>  
 </div>  
 </div>  
 </div>  
</header>

<div class="carousel-item active" style="background-image: url('/static/module/assets/images/banner3.jpg')">  
 <!-- <img src="assets/images/banner-3.jpg" class="d-block w-100" alt="..."> -->  
 <div class="carousel-caption container">  
 {% block content %}  
 {% endblock %}  
<!-- <h6 class="tag-cover-9"> Washing</h6>-->  
<!-- <h3 class="title-cover-9">Dry Cleaning Service</h3>-->  
<!-- <p class="para-cover-9">Excepteur sint occaecat cupidatat non proident, sunt in-->  
<!-- culpa qui officia sed deserunt mollit anim id est laborum mollit anim id est nulla laudantium sunt in culpa-->  
<!-- qui.</p>-->  
<!-- <a href="about.html" class="btn btn-primary theme-button mt-5">Read More</a>-->  
 </div>  
 </div>

<script>  
 // When the user scrolls down 20px from the top of the document, show the button  
 window.onscroll = function () {  
 scrollFunction()  
 };  
  
 function scrollFunction() {  
 if (document.body.scrollTop > 20 || document.documentElement.scrollTop > 20) {  
 document.getElementById("movetop").style.display = "block";  
 } else {  
 document.getElementById("movetop").style.display = "none";  
 }  
 }  
  
 // When the user clicks on the button, scroll to the top of the document  
 function topFunction() {  
 document.body.scrollTop = 0;  
 document.documentElement.scrollTop = 0;  
 }  
 </script>  
 <!-- /move top -->  
</footer>  
  
<!-- jQuery JS -->  
<script src="{% static 'module/assets/js/jquery-3.4.1.slim.min.js' %}"></script>  
<!-- Template JavaScript -->  
<script src="{% static 'module/assets/js/owl.carousel.js' %}"></script>  
  
<!-- script for testimonials -->  
<script>  
 $(document).ready(function () {  
 $('.owl-two').owlCarousel({  
 loop: true,  
 margin: 0,  
 nav: false,  
 responsiveClass: true,  
 autoplay: false,  
 autoplayTimeout: 5000,  
 autoplaySpeed: 1000,  
 autoplayHoverPause: false,  
 responsive: {  
 0: {  
 items: 1,  
 nav: false  
 },  
 480: {  
 items: 1,  
 nav: false  
 },  
 667: {  
 items: 1,  
 nav: false  
 },  
 1000: {  
 items: 1,  
 nav: false  
 }  
 }  
 })  
 })  
</script>  
<!-- //testimonials owlcarousel -->  
  
<!-- for services carousel slider -->  
<script>  
 $(document).ready(function () {  
 $('.owl-three').owlCarousel({  
 loop: true,  
 stagePadding: 20,  
 margin: 20,  
 autoplay: true,  
 autoplayTimeout: 5000,  
 autoplaySpeed: 1000,  
 autoplayHoverPause: false,  
 nav: false,  
 responsive: {  
 0: {  
 items: 1  
 },  
 600: {  
 items: 2  
 },  
 1000: {  
 items: 4  
 }  
 }  
 })  
 })  
</script>  
<!-- //for services carousel slider -->  
  
<!-- stats number counter-->  
<script src="{% static 'module/assets/js/jquery.waypoints.min.js' %}"></script>  
<script src="{% static 'module/assets/js/jquery.countup.js' %}"></script>  
<script>  
 $('.counter').countUp();  
</script>  
<!-- //stats number counter -->  
  
<!-- disable body scroll which navbar is in active -->  
<script>  
 $(function () {  
 $('.navbar-toggler').click(function () {  
 $('body').toggleClass('noscroll');  
 })  
 });  
</script>  
<!-- disable body scroll which navbar is in active -->  
  
<!-- Bootstrap JS -->  
<script src="{% static 'module/assets/js/bootstrap.min.js' %}"></script>  
  
</body>  
  
</html>

<!--  
Author: W3layouts  
Author URL: http://w3layouts.com  
License: Creative Commons Attribution 3.0 Unported  
License URL: http://creativecommons.org/licenses/by/3.0/  
-->  
<!DOCTYPE html>  
{% load static %}  
<html>  
<head>  
<title>Trendy Login Form Flat Responsive Widget Template :: w3layouts</title>  
<meta name="viewport" content="width=device-width, initial-scale=1">  
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />  
<meta name="keywords" content="Trendy Login Form template Responsive, Login form web template,Flat Pricing tables,Flat Drop downs Sign up Web Templates, Flat Web Templates, Login sign up Responsive web template, SmartPhone Compatible web template, free webdesigns for Nokia, Samsung, LG, SonyEricsson, Motorola web design" />  
<script type="application/x-javascript"> addEventListener("load", function() { setTimeout(hideURLbar, 0); }, false); function hideURLbar(){ window.scrollTo(0,1); } </script>  
<!-- Custom Theme files -->  
<link href="{% static 'sign/css/style.css' %}" rel="stylesheet" type="text/css" media="all" />  
<!-- //Custom Theme files -->  
<!-- web font -->  
<link href='//fonts.googleapis.com/css?family=Open+Sans:400,300,600,700,800' rel='stylesheet' type='text/css'><!--web font-->  
<!-- //web font -->  
</head>  
<body>  
 {% for m in messages %}  
 <script>  
 alert('{{ m }}')  
 </script>  
 {% endfor %}  
 <!-- main -->  
 <div class="agileits-main">   
 <div class="w3top-nav">   
 <!-- <div class="w3top-nav-left">   
 <h1><a href="index.html">Trendy</a></h1>  
 </div> -->  
 <div class="w3top-nav-right">   
 <ul>  
 <li><a href="/" class="active">Home</a></li>  
 <li><a href="/connectors\_login/">Login</a></li>  
 <li><a href="/connectors\_register/">Register</a></li>  
 <!-- <li><a href="#">Gallery</a></li>  
 <li><a href="#">Blog</a></li>   
 <li><a href="#">Contact</a></li> -->  
 </ul>   
 </div>   
 <div class="clear"></div>  
 </div>   
 <div class="header-main">  
 <h2>Login Now</h2>  
 <div class="header-bottom">  
 <div class="header-right w3agile">  
 <div class="header-left-bottom agileinfo">  
 <form action="/connectors\_login/" method="post">  
 {% csrf\_token %}  
 <div class="icon1">  
 <input type="email" placeholder="Email@example.com" name="email" required=""/>  
 </div>  
 <div class="icon1">  
 <input type="password" placeholder="Password" name="password" required=""/>  
 </div>  
 <!-- <div class="login-check">  
 <label class="checkbox"><input type="checkbox" name="checkbox" checked=""><i> </i> Keep me logged in</label>  
 </div> -->  
 <div class="bottom">  
 <input type="submit" value="Log in" />  
 </div>  
 <p><a href="#">Forgot Password?</a></p>  
 </form>   
 </div>  
 </div>  
 </div>  
 </div>  
  
   
 <!-- //main -->  
 <!-- copyright -->  
 <div class="copyright w3-agile">  
 <p>© 2018 Trendy Login Form . All rights reserved | Design by <a href="http://w3layouts.com/" target="\_blank">W3layouts</a></p>  
 </div>  
 <!-- //copyright -->   
</body>  
</html>

<!--  
Author: W3layouts  
Author URL: http://w3layouts.com  
License: Creative Commons Attribution 3.0 Unported  
License URL: http://creativecommons.org/licenses/by/3.0/  
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{% load static %}  
<html>  
<head>  
<title>Trendy Login Form Flat Responsive Widget Template :: w3layouts</title>  
<meta name="viewport" content="width=device-width, initial-scale=1">  
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />  
<meta name="keywords" content="Trendy Login Form template Responsive, Login form web template,Flat Pricing tables,Flat Drop downs Sign up Web Templates, Flat Web Templates, Login sign up Responsive web template, SmartPhone Compatible web template, free webdesigns for Nokia, Samsung, LG, SonyEricsson, Motorola web design" />  
<script type="application/x-javascript"> addEventListener("load", function() { setTimeout(hideURLbar, 0); }, false); function hideURLbar(){ window.scrollTo(0,1); } </script>  
<!-- Custom Theme files -->  
<link href="{% static 'sign/css/style.css' %}" rel="stylesheet" type="text/css" media="all" />  
<!-- //Custom Theme files -->  
<!-- web font -->  
<link href='//fonts.googleapis.com/css?family=Open+Sans:400,300,600,700,800' rel='stylesheet' type='text/css'><!--web font-->  
<!-- //web font -->  
</head>  
<body>  
 {% for m in messages %}  
 <script>  
 alert('{{ m }}')  
 </script>  
 {% endfor %}  
 <!-- main -->  
 <div class="agileits-main">   
 <div class="w3top-nav">   
 <!-- <div class="w3top-nav-left">   
 <h1><a href="index.html">Trendy</a></h1>  
 </div> -->  
 <div class="w3top-nav-right">   
 <ul>  
 <li><a href="index.html" class="active">Home</a></li>  
 <li><a href="/connectors\_login/">Login</a></li>  
 <li><a href="/connectors\_register/">Register</a></li>  
 <!-- <li><a href="#">Gallery</a></li>  
 <li><a href="#">Blog</a></li>   
 <li><a href="#">Contact</a></li> -->  
 </ul>   
 </div>   
 <div class="clear"></div>  
 </div>   
   
  
 <div class="header-main">  
 <h2>Register Here</h2>  
 <div class="header-bottom">  
 <div class="header-right w3agile">  
 <div class="header-left-bottom agileinfo">  
 <form action="/connectors\_register/" method="post">  
 {% csrf\_token %}  
 <div class="icon1">  
 <input type="text" placeholder="User Name" name="username" required=""/>  
 </div>  
 <div class="icon1">  
 <input type="email" placeholder="Email@example.com" name="email" required=""/>  
 </div>  
 <div class="icon1">  
 <input type="text" placeholder="Contact" name="contact" required=""/>  
 </div>  
 <div class="icon1">  
 <input type="text" placeholder="Date Of Birth" name="dob" required=""/>  
 </div>  
 <div class="icon1">  
 <input type="text" placeholder="Address" name="address" required=""/>  
 </div>  
 <div class="icon1">  
 <input type="password" placeholder="Password" name="password" required=""/>  
 </div>  
 <!-- <div class="login-check">  
 <label class="checkbox"><input type="checkbox" name="checkbox" checked=""><i> </i> Keep me logged in</label>  
 </div> -->  
 <div class="bottom">  
 <input type="submit" value="Register" />  
 </div>  
 <p><a href="#">Forgot Password?</a></p>  
 </form>   
 </div>  
 </div>  
 </div>  
 </div>  
  
 </div>   
 <!-- //main -->  
 <!-- copyright -->  
 <div class="copyright w3-agile">  
 <p>© 2018 Trendy Login Form . All rights reserved | Design by <a href="http://w3layouts.com/" target="\_blank">W3layouts</a></p>  
 </div>  
 <!-- //copyright -->   
</body>  
</html>

{% extends 'connectors/connectors\_base.html' %}  
{% block content %}  
{% for m in messages %}  
 <script>  
 alert('{{ m }}')  
 </script>  
{% endfor %}  
<div class="container">  
 <h2>Ore Material To be Extracted</h2>  
 <br>  
 {% if details %}  
 <table class="table table-bordered table-hover">  
 <thead class="bg-dark text-white">  
 <tr>  
 <th>Ore Quantity To drill and blast (In Ton)</th>  
<!-- <th>Sulphur (In Barrel)</th>-->  
<!-- <th>Phosphoric Acid (In Barrel)</th>-->  
<!-- <th>Anhydrous Ammonia (In Barrel)</th>-->  
 <th>Start the Drilling and Blasting Process</th>  
<!-- <th>Decline</th>-->  
 </tr>  
 </thead>  
 <tbody class="bg-info">  
 {% for i in details %}  
 <tr>  
 <td>{{ i.ore }}</td>  
<!-- <td>{{ i.sulphur }}</td>-->  
<!-- <td>{{ i.phosphoric\_acid }}</td>-->  
<!-- <td>{{ i.anhydrous\_ammonia }}</td>-->  
 <td><a href="/drilling\_and\_blasting/{{ i.id }}/"><input type="button" class="btn btn-dark" value="Start"></a></td>  
<!-- <td><a href="/decline\_connectors/{{ i.id }}/"><input type="button" class="btn btn-dark" value="Decline"></a></td>-->  
 </tr>  
 {% endfor %}  
 </tbody>  
 </table>  
 {% else %}  
 <h3>No More Raw Materials details to Show</h3>  
 {% endif %}  
</div>  
{% endblock %}

<!DOCTYPE html>  
<html lang="en">  
<!-- {% load static %} -->  
<head>  
 <meta charset="UTF-8">  
 <title>Title</title>  
 <link rel="stylesheet" href="{% static 'progress/style.css' %}">  
 <script src="//cdnjs.cloudflare.com/ajax/libs/jquery/2.1.3/jquery.min.js"></script>  
 <script src="{% static 'progress/js/jvs.js' %}"></script>  
</head>  
<body>  
<script>  
{% for msg in messages %}  
 alert('{{ msg }}');  
{% endfor %}  
</script>  
<!-- progress bar -->  
  
<div class="show-container" style="background-image: url('/static/module/images/banner.jpg');">  
 <div class="progress" id="progressBar">  
 <div class="progress-number" aria-valuenow="0" style="left: 0;"></div>  
 <div class="rounded">  
 <div class="progress-bar" style="width: 0;" aria-valuenow="0" aria-valuemin="0" aria-valuemax="100">  
 </div>  
 </div>  
 </div>  
 <div class="button-container">  
 <a href="#" id="loadBtn" class="button">Start Process</a>  
 <br><br><h2>After Processing : </h2>  
 <a href="/connectors\_home/" id="loadBtn" class="button">Connectors Home</a>  
 </div>  
</div>  
<script src="{% static 'progress/script.js' %}"></script>  
</body>  
</html>

{% extends 'connectors/connectors\_base.html' %}  
{% block content %}  
{% for m in messages %}  
 <script>  
 alert('{{ m }}')  
 </script>  
{% endfor %}  
<div class="container">  
 <h2>Ore Material To be Extracted</h2>  
 <br>  
 {% if details %}  
 <table class="table table-bordered table-hover">  
 <thead class="bg-dark text-white">  
 <tr>  
 <th>Drilled and Extracted Ore (In Ton)</th>  
<!-- <th>Sulphur (In Barrel)</th>-->  
<!-- <th>Phosphoric Acid (In Barrel)</th>-->  
<!-- <th>Anhydrous Ammonia (In Barrel)</th>-->  
 <th>Send To Processing</th>  
<!-- <th>Decline</th>-->  
 </tr>  
 </thead>  
 <tbody class="bg-info">  
 {% for i in details %}  
 <tr>  
 <td>{{ i.ore }}</td>  
<!-- <td>{{ i.sulphur }}</td>-->  
<!-- <td>{{ i.phosphoric\_acid }}</td>-->  
<!-- <td>{{ i.anhydrous\_ammonia }}</td>-->  
 <td><a href="/to\_processing/{{ i.id }}/"><input type="button" class="btn btn-dark" value="Send"></a></td>  
<!-- <td><a href="/decline\_connectors/{{ i.id }}/"><input type="button" class="btn btn-dark" value="Decline"></a></td>-->  
 </tr>  
 {% endfor %}  
 </tbody>  
 </table>  
 {% else %}  
 <h3>No More Raw Materials details to Show</h3>  
 {% endif %}  
</div>  
{% endblock %}

<!doctype html>  
{% load static %}  
<html lang="en">  
  
<head>  
 <!-- Required meta tags -->  
 <meta charset="utf-8">  
 <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">  
  
 <title>Washing - Laundry Category Bootstrap Responsive Website Template - Home :: W3Layouts</title>  
  
 <!-- web fonts -->  
 <link href="//fonts.googleapis.com/css?family=Roboto:400,700,900&display=swap" rel="stylesheet">  
 <link href="//fonts.googleapis.com/css2?family=Open+Sans:wght@300;400;600;700;800&display=swap" rel="stylesheet">  
 <!-- web fonts -->  
  
 <!-- Template CSS -->  
 <link rel="stylesheet" href="{% static 'module/assets/css/style-starter.css' %}">  
</head>  
  
<body>  
<!-- header -->  
<header class="w3l-header">  
 <div class="hero-header-11">  
 <div class="hero-header-11-content">  
 <div class="container">  
 <nav class="navbar navbar-expand-lg navbar-light py-0 px-0">  
 <a class="navbar-brand" href="index.html"><img src="assets/images/logo-icon.png" alt="" />Pro<span class="logo-view">cess</span></a>  
 <!-- if logo is image enable this  
 <a class="navbar-brand" href="#index.html">  
 <img src="image-path" alt="Your logo" title="Your logo" style="height:35px;" />  
 </a> -->  
 <button class="navbar-toggler collapsed" type="button" data-toggle="collapse" data-target="#navbarSupportedContent"  
 aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">  
 <span class="navbar-toggler-icon fa icon-expand fa-bars"></span>  
 <span class="navbar-toggler-icon fa icon-close fa-times"></span>  
 </button>  
  
 <div class="collapse navbar-collapse" id="navbarSupportedContent">  
 <ul class="navbar-nav ml-auto">  
 <li class="nav-item active">  
 <a class="nav-link" href="/process\_home/">Home <span class="sr-only">(current)</span></a>  
 </li>  
 <li class="nav-item @@about-active">  
 <a class="nav-link" href="/view\_ore\_sulphur/">View Process Materials</a>  
 </li>  
 <li class="nav-item @@services-active">  
 <a class="nav-link" href="/view\_phosphoric/">View Phosphoric acid to be added</a>  
 </li>  
 <li class="nav-item @@services-active">  
 <a class="nav-link" href="/analyse/">Analyse</a>  
 </li>  
 <li class="nav-item @@contact-active">  
 <a class="nav-link" href="/process\_logout/">Logout</a>  
 </li>  
 </ul>  
<!-- <ul class="social-icons">-->  
<!-- <li><a href="#url"><span class="fa fa-facebook" aria-hidden="true"></span></a></li>-->  
<!-- <li><a href="#url"><span class="fa fa-twitter" aria-hidden="true"></span></a></li>-->  
<!-- <li><a href="#url"><span class="fa fa-instagram" aria-hidden="true"></span></a></li>-->  
<!-- </ul>-->  
<!-- <div class="phone">-->  
<!-- <a href="tel:+44-123-456-78"><span class="fa fa-headphones" aria-hidden="true"></span> +44-123-456-78</a>-->  
<!-- </div>-->  
 </div>  
 </nav>  
 </div>  
 </div>  
 </div>  
</header>

{% extends 'process/process\_base.html' %}  
{% block content %}  
{% for m in messages %}  
 <script>  
 alert('{{ m }}')  
 </script>  
{% endfor %}  
<div class="container">  
 <h2>Materials Details</h2>  
 <br>  
 {% if details %}  
 <table class="table table-bordered table-hover">  
 <thead class="bg-dark text-white">  
 <tr>  
 <th>Ore (In Ton)</th>  
 <th>Sulphur (In Barrel)</th>  
 <th>Phosphoric Acid (In Barrel)</th>  
 <th>Anhydrous Ammonia (In Barrel)</th>  
 <th>Analyse</th>  
<!-- <th>Decline</th>-->  
 </tr>  
 </thead>  
 <tbody class="bg-info">  
 {% for i in details %}  
 <tr>  
 <td>{{ i.ore }}</td>  
 <td>{{ i.sulphur }}</td>  
 <td>{{ i.phosphoric\_acid }}</td>  
 <td>{{ i.anhydrous\_ammonia }}</td>  
 <td><a href="/apply\_algorithm/{{ i.id }}/"><input type="button" class="btn btn-dark" value="Analyse"></a></td>  
<!-- <td><a href="/decline\_connectors/{{ i.id }}/"><input type="button" class="btn btn-dark" value="Decline"></a></td>-->  
 </tr>  
 {% endfor %}  
 </tbody>  
 </table>  
 {% else %}  
 <h3>No More Raw Materials details to Show</h3>  
 {% endif %}  
</div>  
{% endblock %}

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Author URL: http://w3layouts.com  
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License URL: http://creativecommons.org/licenses/by/3.0/  
-->  
<!DOCTYPE html>  
{% load static %}  
<html>  
<head>  
<title>Trendy Login Form Flat Responsive Widget Template :: w3layouts</title>  
<meta name="viewport" content="width=device-width, initial-scale=1">  
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />  
<meta name="keywords" content="Trendy Login Form template Responsive, Login form web template,Flat Pricing tables,Flat Drop downs Sign up Web Templates, Flat Web Templates, Login sign up Responsive web template, SmartPhone Compatible web template, free webdesigns for Nokia, Samsung, LG, SonyEricsson, Motorola web design" />  
<script type="application/x-javascript"> addEventListener("load", function() { setTimeout(hideURLbar, 0); }, false); function hideURLbar(){ window.scrollTo(0,1); } </script>  
<!-- Custom Theme files -->  
<link href="{% static 'sign/css/style.css' %}" rel="stylesheet" type="text/css" media="all" />  
<!-- //Custom Theme files -->  
<!-- web font -->  
<link href='//fonts.googleapis.com/css?family=Open+Sans:400,300,600,700,800' rel='stylesheet' type='text/css'><!--web font-->  
<!-- //web font -->  
</head>  
<body>  
 {% for m in messages %}  
 <script>  
 alert('{{ m }}')  
 </script>  
 {% endfor %}  
 <!-- main -->  
 <div class="agileits-main">  
 <div class="w3top-nav">  
 <!-- <div class="w3top-nav-left">  
 <h1><a href="index.html">Trendy</a></h1>  
 </div> -->  
 <div class="w3top-nav-right">  
 <ul>  
 <li><a href="/" class="active">Home</a></li>  
 <li><a href="/process\_login/">Login</a></li>  
 <li><a href="/process\_register/">Register</a></li>  
 <!-- <li><a href="#">Gallery</a></li>  
 <li><a href="#">Blog</a></li>  
 <li><a href="#">Contact</a></li> -->  
 </ul>  
 </div>  
 <div class="clear"></div>  
 </div>  
 <div class="header-main">  
 <h2>Login Now</h2>  
 <div class="header-bottom">  
 <div class="header-right w3agile">  
 <div class="header-left-bottom agileinfo">  
 <form action="/process\_login/" method="post">  
 {% csrf\_token %}  
 <div class="icon1">  
 <input type="email" placeholder="Email@example.com" name="email" required=""/>  
 </div>  
 <div class="icon1">  
 <input type="password" placeholder="Password" name="password" required=""/>  
 </div>  
 <!-- <div class="login-check">  
 <label class="checkbox"><input type="checkbox" name="checkbox" checked=""><i> </i> Keep me logged in</label>  
 </div> -->  
 <div class="bottom">  
 <input type="submit" value="Log in" />  
 </div>  
 <p><a href="#">Forgot Password?</a></p>  
 </form>  
 </div>  
 </div>  
 </div>  
 </div>  
  
  
 <!-- //main -->  
 <!-- copyright -->  
<!-- <div class="copyright w3-agile">-->  
<!-- <p>© 2018 Trendy Login Form . All rights reserved | Design by <a href="http://w3layouts.com/" target="\_blank">W3layouts</a></p>-->  
<!-- </div>-->  
 <!-- //copyright -->  
</body>  
</html>

<!--  
Author: W3layouts  
Author URL: http://w3layouts.com  
License: Creative Commons Attribution 3.0 Unported  
License URL: http://creativecommons.org/licenses/by/3.0/  
-->  
<!DOCTYPE html>  
{% load static %}  
<html>  
<head>  
<title>Trendy Login Form Flat Responsive Widget Template :: w3layouts</title>  
<meta name="viewport" content="width=device-width, initial-scale=1">  
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />  
<meta name="keywords" content="Trendy Login Form template Responsive, Login form web template,Flat Pricing tables,Flat Drop downs Sign up Web Templates, Flat Web Templates, Login sign up Responsive web template, SmartPhone Compatible web template, free webdesigns for Nokia, Samsung, LG, SonyEricsson, Motorola web design" />  
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 </ul>  
 </div>  
 <div class="clear"></div>  
 </div>  
  
  
 <div class="header-main">  
 <h2>Register Here</h2>  
 <div class="header-bottom">  
 <div class="header-right w3agile">  
 <div class="header-left-bottom agileinfo">  
 <form action="/process\_register/" method="post">  
 {% csrf\_token %}  
 <div class="icon1">  
 <input type="text" placeholder="User Name" name="username" required=""/>  
 </div>  
 <div class="icon1">  
 <input type="email" placeholder="Email@example.com" name="email" required=""/>  
 </div>  
 <div class="icon1">  
 <input type="text" placeholder="Contact" name="contact" required=""/>  
 </div>  
 <div class="icon1">  
 <input type="text" placeholder="Date Of Birth" name="dob" required=""/>  
 </div>  
 <div class="icon1">  
 <input type="text" placeholder="Address" name="address" required=""/>  
 </div>  
 <div class="icon1">  
 <input type="password" placeholder="Password" name="password" required=""/>  
 </div>  
 <!-- <div class="login-check">  
 <label class="checkbox"><input type="checkbox" name="checkbox" checked=""><i> </i> Keep me logged in</label>  
 </div> -->  
 <div class="bottom">  
 <input type="submit" value="Register" />  
 </div>  
 <p><a href="#">Forgot Password?</a></p>  
 </form>  
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 </div>  
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<!-- </div>-->  
 <!-- //copyright -->  
</body>  
</html>

{% extends 'process/process\_base.html' %}  
{% block content %}  
{% for m in messages %}  
 <script>  
 alert('{{ m }}')  
 </script>  
{% endfor %}  
<div class="container">  
 <h2>Materials Details With Water Output</h2>  
 <br>  
 {% if details %}  
 <table class="table table-bordered table-hover">  
 <thead class="bg-dark text-white">  
 <tr>  
 <th>Ore (In Ton)</th>  
 <th>Sulphur (In Barrel)</th>  
 <th>Phosphoric Acid (In Barrel)</th>  
 <th>Anhydrous Ammonia (In Barrel)</th>  
 <th>Output : Water Needed (In Litres)</th>  
 <th>Finish The Process</th>  
 </tr>  
 </thead>  
 <tbody class="bg-info">  
 {% for i in details %}  
 <tr>  
 <td>{{ i.ore }}</td>  
 <td>{{ i.sulphur }}</td>  
 <td>{{ i.phosphoric\_acid }}</td>  
 <td>{{ i.anhydrous\_ammonia }}</td>  
 <td>{{ i.water\_usage }}</td>  
 <td><a href="/finish\_the\_process/{{ i.id }}/"><input type="button" class="btn btn-dark" value="Send"></a></td>  
<!-- <td><a href="/decline\_connectors/{{ i.id }}/"><input type="button" class="btn btn-dark" value="Decline"></a></td>-->  
 </tr>  
 {% endfor %}  
 </tbody>  
 </table>  
 {% else %}  
 <h3>No More Raw Materials details to Show</h3>  
 {% endif %}  
</div>  
{% endblock %}

{% extends 'process/process\_base.html' %}  
{% block content %}  
{% for m in messages %}  
 <script>  
 alert('{{ m }}')  
 </script>  
{% endfor %}  
<div class="container">  
 <h2>Materials Details</h2>  
 <br>  
 {% if details %}  
 <table class="table table-bordered table-hover">  
 <thead class="bg-dark text-white">  
 <tr>  
 <th>Ore (In Ton)</th>  
 <th>Sulphur (In Barrel)</th>  
<!-- <th>Phosphoric Acid (In Barrel)</th>-->  
<!-- <th>Anhydrous Ammonia (In Barrel)</th>-->  
 <th>Crushing and Screening</th>  
<!-- <th>Decline</th>-->  
 </tr>  
 </thead>  
 <tbody class="bg-info">  
 {% for i in details %}  
 <tr>  
 <td>{{ i.ore }}</td>  
 <td>{{ i.sulphur }}</td>  
<!-- <td>{{ i.phosphoric\_acid }}</td>-->  
<!-- <td>{{ i.anhydrous\_ammonia }}</td>-->  
 <td><a href="/crushing\_and\_screening/{{ i.id }}/"><input type="button" class="btn btn-dark" value="Start Process"></a></td>  
<!-- <td><a href="/decline\_connectors/{{ i.id }}/"><input type="button" class="btn btn-dark" value="Decline"></a></td>-->  
 </tr>  
 {% endfor %}  
 </tbody>  
 </table>  
 {% else %}  
 <h3>No More Raw Materials details to Show</h3>  
 {% endif %}  
</div>  
{% endblock %}

{% extends 'process/process\_base.html' %}  
{% block content %}  
{% for m in messages %}  
 <script>  
 alert('{{ m }}')  
 </script>  
{% endfor %}  
<div class="container">  
 <h2>Materials Details</h2>  
 <br>  
 {% if details %}  
 <table class="table table-bordered table-hover">  
 <thead class="bg-dark text-white">  
 <tr>  
 <th>Ore (In Ton)</th>  
<!-- <th>Sulphur (In Barrel)</th>-->  
 <th>Phosphoric Acid (In Barrel)</th>  
<!-- <th>Anhydrous Ammonia (In Barrel)</th>-->  
 <th>Scrubbing and Disintegration</th>  
<!-- <th>Decline</th>-->  
 </tr>  
 </thead>  
 <tbody class="bg-info">  
 {% for i in details %}  
 <tr>  
 <td>{{ i.ore }}</td>  
<!-- <td>{{ i.sulphur }}</td>-->  
 <td>{{ i.phosphoric\_acid }}</td>  
<!-- <td>{{ i.anhydrous\_ammonia }}</td>-->  
 <td><a href="/scrubbing\_and\_disintegration/{{ i.id }}/"><input type="button" class="btn btn-dark" value="Start Process"></a></td>  
<!-- <td><a href="/decline\_connectors/{{ i.id }}/"><input type="button" class="btn btn-dark" value="Decline"></a></td>-->  
 </tr>  
 {% endfor %}  
 </tbody>  
 </table>  
 {% else %}  
 <h3>No More Raw Materials details to Show</h3>  
 {% endif %}  
</div>  
{% endblock %}

<!doctype html>  
{% load static %}  
<html lang="en">  
  
<head>  
 <!-- Required meta tags -->  
 <meta charset="utf-8">  
 <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">  
  
 <title>Washing - Laundry Category Bootstrap Responsive Website Template - Home :: W3Layouts</title>  
  
 <!-- web fonts -->  
 <link href="//fonts.googleapis.com/css?family=Roboto:400,700,900&display=swap" rel="stylesheet">  
 <link href="//fonts.googleapis.com/css2?family=Open+Sans:wght@300;400;600;700;800&display=swap" rel="stylesheet">  
 <!-- web fonts -->  
  
 <!-- Template CSS -->  
 <link rel="stylesheet" href="{% static 'module/assets/css/style-starter.css' %}">  
</head>  
  
<body>  
<!-- header -->  
<header class="w3l-header">  
 <div class="hero-header-11">  
 <div class="hero-header-11-content">  
 <div class="container">  
 <nav class="navbar navbar-expand-lg navbar-light py-0 px-0">  
 <a class="navbar-brand" href="index.html"><img src="assets/images/logo-icon.png" alt="" />Provi<span class="logo-view">sioners</span></a>  
 <!-- if logo is image enable this  
 <a class="navbar-brand" href="#index.html">  
 <img src="image-path" alt="Your logo" title="Your logo" style="height:35px;" />  
 </a> -->  
 <button class="navbar-toggler collapsed" type="button" data-toggle="collapse" data-target="#navbarSupportedContent"  
 aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">  
 <span class="navbar-toggler-icon fa icon-expand fa-bars"></span>  
 <span class="navbar-toggler-icon fa icon-close fa-times"></span>  
 </button>  
  
 <div class="collapse navbar-collapse" id="navbarSupportedContent">  
 <ul class="navbar-nav ml-auto">  
 <li class="nav-item active">  
 <a class="nav-link" href="/provisioners\_home/">Home <span class="sr-only">(current)</span></a>  
 </li>  
 <li class="nav-item @@about-active">  
 <a class="nav-link" href="/available\_connectors/">Available Connectors</a>  
 </li>  
 <li class="nav-item @@services-active">  
 <a class="nav-link" href="/view\_raw\_material/">View Raw Material</a>  
 </li>  
 <li class="nav-item @@contact-active">  
 <a class="nav-link" href="/provisioners\_logout/">Logout</a>  
 </li>  
 </ul>  
<!-- <ul class="social-icons">-->  
<!-- <li><a href="#url"><span class="fa fa-facebook" aria-hidden="true"></span></a></li>-->  
<!-- <li><a href="#url"><span class="fa fa-twitter" aria-hidden="true"></span></a></li>-->  
<!-- <li><a href="#url"><span class="fa fa-instagram" aria-hidden="true"></span></a></li>-->  
<!-- </ul>-->  
<!-- <div class="phone">-->  
<!-- <a href="tel:+44-123-456-78"><span class="fa fa-headphones" aria-hidden="true"></span> +44-123-456-78</a>-->  
<!-- </div>-->  
 </div>  
 </nav>  
 </div>  
 </div>  
 </div>  
</header>

<section class="w3l-banner-slider">  
 <div id="carouselExampleCaptions" class="carousel slide carousel-fade" data-ride="carousel">

<div class="carousel-item active" style="background-image: url('/static/module/assets/images/banner.jpg');">  
 <!-- <img src="assets/images/banner-1.jpg" class="d-block w-100" alt="..."> -->  
 <div class="carousel-caption container">  
 {% block content %}  
 {% endblock %}  
  
 </div>  
 </div>  
 </div>

<script>  
 // When the user scrolls down 20px from the top of the document, show the button  
 window.onscroll = function () {  
 scrollFunction()  
 };  
  
 function scrollFunction() {  
 if (document.body.scrollTop > 20 || document.documentElement.scrollTop > 20) {  
 document.getElementById("movetop").style.display = "block";  
 } else {  
 document.getElementById("movetop").style.display = "none";  
 }  
 }  
  
 // When the user clicks on the button, scroll to the top of the document  
 function topFunction() {  
 document.body.scrollTop = 0;  
 document.documentElement.scrollTop = 0;  
 }  
 </script>  
 <!-- /move top -->  
</footer>  
  
<!-- jQuery JS -->  
<script src="{% static 'module/assets/js/jquery-3.4.1.slim.min.js' %}"></script>  
<!-- Template JavaScript -->  
<script src="{% static 'module/assets/js/owl.carousel.js' %}"></script>  
  
<!-- script for testimonials -->  
<script>  
 $(document).ready(function () {  
 $('.owl-two').owlCarousel({  
 loop: true,  
 margin: 0,  
 nav: false,  
 responsiveClass: true,  
 autoplay: false,  
 autoplayTimeout: 5000,  
 autoplaySpeed: 1000,  
 autoplayHoverPause: false,  
 responsive: {  
 0: {  
 items: 1,  
 nav: false  
 },  
 480: {  
 items: 1,  
 nav: false  
 },  
 667: {  
 items: 1,  
 nav: false  
 },  
 1000: {  
 items: 1,  
 nav: false  
 }  
 }  
 })  
 })  
</script>  
<!-- //testimonials owlcarousel -->  
  
<!-- for services carousel slider -->  
<script>  
 $(document).ready(function () {  
 $('.owl-three').owlCarousel({  
 loop: true,  
 stagePadding: 20,  
 margin: 20,  
 autoplay: true,  
 autoplayTimeout: 5000,  
 autoplaySpeed: 1000,  
 autoplayHoverPause: false,  
 nav: false,  
 responsive: {  
 0: {  
 items: 1  
 },  
 600: {  
 items: 2  
 },  
 1000: {  
 items: 4  
 }  
 }  
 })  
 })  
</script>  
<!-- //for services carousel slider -->  
  
<!-- stats number counter-->  
<script src="{% static 'module/assets/js/jquery.waypoints.min.js' %}"></script>  
<script src="{% static 'module/assets/js/jquery.countup.js' %}"></script>  
<script>  
 $('.counter').countUp();  
</script>  
<!-- //stats number counter -->  
  
<!-- disable body scroll which navbar is in active -->  
<script>  
 $(function () {  
 $('.navbar-toggler').click(function () {  
 $('body').toggleClass('noscroll');  
 })  
 });  
</script>  
<!-- disable body scroll which navbar is in active -->  
  
<!-- Bootstrap JS -->  
<script src="{% static 'module/assets/js/bootstrap.min.js' %}"></script>  
  
</body>  
  
</html>

{% extends 'provisioners/provisioners\_base.html' %}  
{% block content %}  
{% for m in messages %}  
 <script>  
 alert('{{ m }}')  
 </script>  
{% endfor %}  
<div class="container">  
 <h2>Connectors Details</h2>  
 <br>  
 {% if details %}  
 <table class="table table-bordered table-hover">  
 <thead class="bg-dark text-white">  
 <tr>  
 <th>User Name</th>  
 <th>Email</th>  
 <th>Contact</th>  
 <th>Date of Birth</th>  
 <th>Address</th>  
 <th>Initiatoin</th>  
<!-- <th>Decline</th>-->  
 </tr>  
 </thead>  
 <tbody class="bg-info">  
 {% for i in details %}  
 <tr>  
 <td>{{ i.username }}</td>  
 <td>{{ i.email }}</td>  
 <td>{{ i.contact }}</td>  
 <td>{{ i.date\_of\_birth }}</td>  
 <td>{{ i.address }}</td>  
 <td><a href="/provisioners\_initiation/{{ i.id }}/"><input type="button" class="btn btn-dark" value="Initiate Work"></a></td>  
<!-- <td><a href="/decline\_connectors/{{ i.id }}/"><input type="button" class="btn btn-dark" value="Decline"></a></td>-->  
 </tr>  
 {% endfor %}  
 </tbody>  
 </table>  
 {% else %}  
 <h3>No More Connectors to View</h3>  
 {% endif %}  
</div>  
{% endblock %}

<!--  
Author: W3layouts  
Author URL: http://w3layouts.com  
License: Creative Commons Attribution 3.0 Unported  
License URL: http://creativecommons.org/licenses/by/3.0/  
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{% load static %}  
<html>  
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 <li><a href="#">Contact</a></li> -->  
 </ul>  
 </div>  
 <div class="clear"></div>  
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 <form action="/provisioners\_login/" method="post">  
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 <div class="icon1">  
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 </form>  
 </div>  
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 </div>  
 </div>  
  
  
 <!-- //main -->  
 <!-- copyright -->  
<!-- <div class="copyright w3-agile">-->  
<!-- <p>© 2018 Trendy Login Form . All rights reserved | Design by <a href="http://w3layouts.com/" target="\_blank">W3layouts</a></p>-->  
<!-- </div>-->  
 <!-- //copyright -->  
</body>  
</html>

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License URL: http://creativecommons.org/licenses/by/3.0/  
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 </script>  
 {% endfor %}  
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 </div> -->  
 <div class="w3top-nav-right">  
 <ul>  
 <li><a href="index.html" class="active">Home</a></li>  
 <li><a href="/provisioners\_login/">Login</a></li>  
 <li><a href="/provisioners\_register/">Register</a></li>  
 <!-- <li><a href="#">Gallery</a></li>  
 <li><a href="#">Blog</a></li>  
 <li><a href="#">Contact</a></li> -->  
 </ul>  
 </div>  
 <div class="clear"></div>  
 </div>  
  
  
 <div class="header-main">  
 <h2>Register Here</h2>  
 <div class="header-bottom">  
 <div class="header-right w3agile">  
 <div class="header-left-bottom agileinfo">  
 <form action="/provisioners\_register/" method="post">  
 {% csrf\_token %}  
 <div class="icon1">  
 <input type="text" placeholder="User Name" name="username" required=""/>  
 </div>  
 <div class="icon1">  
 <input type="email" placeholder="Email@example.com" name="email" required=""/>  
 </div>  
 <div class="icon1">  
 <input type="text" placeholder="Contact" name="contact" required=""/>  
 </div>  
 <div class="icon1">  
 <input type="text" placeholder="Date Of Birth" name="dob" required=""/>  
 </div>  
 <div class="icon1">  
 <input type="text" placeholder="Address" name="address" required=""/>  
 </div>  
 <div class="icon1">  
 <input type="password" placeholder="Password" name="password" required=""/>  
 </div>  
 <!-- <div class="login-check">  
 <label class="checkbox"><input type="checkbox" name="checkbox" checked=""><i> </i> Keep me logged in</label>  
 </div> -->  
 <div class="bottom">  
 <input type="submit" value="Register" />  
 </div>  
 <p><a href="#">Forgot Password?</a></p>  
 </form>  
 </div>  
 </div>  
 </div>  
 </div>  
  
 </div>  
 <!-- //main -->  
 <!-- copyright -->  
<!-- <div class="copyright w3-agile">-->  
<!-- <p>© 2018 Trendy Login Form . All rights reserved | Design by <a href="http://w3layouts.com/" target="\_blank">W3layouts</a></p>-->  
<!-- </div>-->  
 <!-- //copyright -->  
</body>  
</html>

{% extends 'provisioners/provisioners\_base.html' %}  
{% block content %}  
{% for m in messages %}  
 <script>  
 alert('{{ m }}')  
 </script>  
{% endfor %}  
<div class="container">  
 <h2>Raw Materials Details</h2>  
 <br>  
 {% if details %}  
 <table class="table table-bordered table-hover">  
 <thead class="bg-dark text-white">  
 <tr>  
 <th>Ore (In Ton)</th>  
 <th>Sulphur (In Barrel)</th>  
 <th>Phosphoric Acid (In Barrel)</th>  
 <th>Anhydrous Ammonia (In Barrel)</th>  
 <th>Send To Connectors</th>  
 </tr>  
 </thead>  
 <tbody class="bg-info">  
 {% for i in details %}  
 <tr>  
 <td>{{ i.ore }}</td>  
 <td>{{ i.sulphur }}</td>  
 <td>{{ i.phosphoric\_acid }}</td>  
 <td>{{ i.anhydrous\_ammonia }}</td>  
 <td><a href="/send\_to\_connectors/{{ i.id }}/"><input type="button" class="btn btn-dark" value="Send"></a></td>  
 </tr>  
 {% endfor %}  
 </tbody>  
 </table>  
 {% else %}  
 <h3>No More Raw Materials details to Show</h3>  
 {% endif %}  
</div>  
{% endblock %}

<!doctype html>  
{% load static %}  
<html lang="en">  
  
<head>  
 <!-- Required meta tags -->  
 <meta charset="utf-8">  
 <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">  
  
 <title>Washing - Laundry Category Bootstrap Responsive Website Template - Home :: W3Layouts</title>  
  
 <!-- web fonts -->  
 <link href="//fonts.googleapis.com/css?family=Roboto:400,700,900&display=swap" rel="stylesheet">  
 <link href="//fonts.googleapis.com/css2?family=Open+Sans:wght@300;400;600;700;800&display=swap" rel="stylesheet">  
 <!-- web fonts -->  
  
 <!-- Template CSS -->  
 <link rel="stylesheet" href="{% static 'module/assets/css/style-starter.css' %}">  
</head>  
  
<body>  
<!-- header -->  
<header class="w3l-header">  
 <div class="hero-header-11">  
 <div class="hero-header-11-content">  
 <div class="container">  
 <nav class="navbar navbar-expand-lg navbar-light py-0 px-0">  
 <a class="navbar-brand" href="index.html"><img src="assets/images/logo-icon.png" alt="" />Adm<span class="logo-view">in</span></a>  
 <!-- if logo is image enable this  
 <a class="navbar-brand" href="#index.html">  
 <img src="image-path" alt="Your logo" title="Your logo" style="height:35px;" />  
 </a> -->  
 <button class="navbar-toggler collapsed" type="button" data-toggle="collapse" data-target="#navbarSupportedContent"  
 aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">  
 <span class="navbar-toggler-icon fa icon-expand fa-bars"></span>  
 <span class="navbar-toggler-icon fa icon-close fa-times"></span>  
 </button>  
  
 <div class="collapse navbar-collapse" id="navbarSupportedContent">  
 <ul class="navbar-nav ml-auto">  
 <li class="nav-item active">  
 <a class="nav-link" href="/technical\_home/">Home <span class="sr-only">(current)</span></a>  
 </li>  
 <li class="nav-item @@about-active">  
 <a class="nav-link" href="/allow\_connectors/">Connectors</a>  
 </li>  
 <li class="nav-item @@services-active">  
 <a class="nav-link" href="/allow\_provisioners/">Provisioners</a>  
 </li>  
 <li class="nav-item @@services-active">  
 <a class="nav-link" href="/technical\_start\_process\_form/">Initiate Provisioners</a>  
 </li>  
 <li class="nav-item @@services-active">  
 <a class="nav-link" href="/final\_process/">Final Process</a>  
 </li>  
 <li class="nav-item @@contact-active">  
 <a class="nav-link" href="/technical\_logout/">Logout</a>  
 </li>  
 </ul>  
<!-- <ul class="social-icons">-->  
<!-- <li><a href="#url"><span class="fa fa-facebook" aria-hidden="true"></span></a></li>-->  
<!-- <li><a href="#url"><span class="fa fa-twitter" aria-hidden="true"></span></a></li>-->  
<!-- <li><a href="#url"><span class="fa fa-instagram" aria-hidden="true"></span></a></li>-->  
<!-- </ul>-->  
<!-- <div class="phone">-->  
<!-- <a href="tel:+44-123-456-78"><span class="fa fa-headphones" aria-hidden="true"></span> +44-123-456-78</a>-->  
<!-- </div>-->  
 </div>  
 </nav>  
 </div>  
 </div>  
 </div>  
</header>  
<!-- //header -->  
<section class="w3l-banner-slider">  
 <div id="carouselExampleCaptions" class="carousel slide carousel-fade" data-ride="carousel">  
<!-- <ol class="carousel-indicators">-->  
<!-- <li data-target="#carouselExampleCaptions" data-slide-to="0" class="active"></li>-->  
<!-- <li data-target="#carouselExampleCaptions" data-slide-to="1"></li>-->  
<!-- <li data-target="#carouselExampleCaptions" data-slide-to="2"></li>-->  
<!-- <li data-target="#carouselExampleCaptions" data-slide-to="3"></li>-->  
<!-- </ol>-->  
 <div class="carousel-inner">  
 <div class="carousel-item active" style="background-image: url('/static/module/assets/images/banner1.jpg')">  
 <!-- <img src="assets/images/banner.jpg" class="d-block w-100" alt="..."> -->  
 <div class="carousel-caption container">  
 {% block content %}  
 {% endblock %}  
</div>  
 </div>

<script>  
 // When the user scrolls down 20px from the top of the document, show the button  
 window.onscroll = function () {  
 scrollFunction()  
 };  
  
 function scrollFunction() {  
 if (document.body.scrollTop > 20 || document.documentElement.scrollTop > 20) {  
 document.getElementById("movetop").style.display = "block";  
 } else {  
 document.getElementById("movetop").style.display = "none";  
 }  
 }  
  
 // When the user clicks on the button, scroll to the top of the document  
 function topFunction() {  
 document.body.scrollTop = 0;  
 document.documentElement.scrollTop = 0;  
 }  
 </script>  
 <!-- /move top -->  
</footer>  
  
<!-- jQuery JS -->  
<script src="{% static 'module/assets/js/jquery-3.4.1.slim.min.js' %}"></script>  
<!-- Template JavaScript -->  
<script src="{% static 'module/assets/js/owl.carousel.js' %}"></script>  
  
<!-- script for testimonials -->  
<script>  
 $(document).ready(function () {  
 $('.owl-two').owlCarousel({  
 loop: true,  
 margin: 0,  
 nav: false,  
 responsiveClass: true,  
 autoplay: false,  
 autoplayTimeout: 5000,  
 autoplaySpeed: 1000,  
 autoplayHoverPause: false,  
 responsive: {  
 0: {  
 items: 1,  
 nav: false  
 },  
 480: {  
 items: 1,  
 nav: false  
 },  
 667: {  
 items: 1,  
 nav: false  
 },  
 1000: {  
 items: 1,  
 nav: false  
 }  
 }  
 })  
 })  
</script>  
<!-- //testimonials owlcarousel -->  
  
<!-- for services carousel slider -->  
<script>  
 $(document).ready(function () {  
 $('.owl-three').owlCarousel({  
 loop: true,  
 stagePadding: 20,  
 margin: 20,  
 autoplay: true,  
 autoplayTimeout: 5000,  
 autoplaySpeed: 1000,  
 autoplayHoverPause: false,  
 nav: false,  
 responsive: {  
 0: {  
 items: 1  
 },  
 600: {  
 items: 2  
 },  
 1000: {  
 items: 4  
 }  
 }  
 })  
 })  
</script>  
<!-- //for services carousel slider -->  
  
<!-- stats number counter-->  
<script src="{% static 'module/assets/js/jquery.waypoints.min.js' %}"></script>  
<script src="{% static 'module/assets/js/jquery.countup.js' %}"></script>  
<script>  
 $('.counter').countUp();  
</script>  
<!-- //stats number counter -->  
  
<!-- disable body scroll which navbar is in active -->  
<script>  
 $(function () {  
 $('.navbar-toggler').click(function () {  
 $('body').toggleClass('noscroll');  
 })  
 });  
</script>  
<!-- disable body scroll which navbar is in active -->  
  
<!-- Bootstrap JS -->  
<script src="{% static 'module/assets/js/bootstrap.min.js' %}"></script>  
  
</body>  
  
</html>

{% extends 'technical/technical\_base.html' %}  
{% block content %}  
{% for m in messages %}  
 <script>  
 alert('{{ m }}')  
 </script>  
{% endfor %}  
<div class="container">  
 <h2>Materials Details</h2>  
 <br>  
 {% if details %}  
 <table class="table table-bordered table-hover">  
 <thead class="bg-dark text-white">  
 <tr>  
 <th>Ore (In Ton)</th>  
 <th>Sulphur (In Barrel)</th>  
 <th>Phosphoric Acid (In Barrel)</th>  
 <th>Anhydrous Ammonia (In Barrel)</th>  
 <th>Output : Water Needed (In Litres)</th>  
 <th>Whole Process Graph</th>  
 </tr>  
 </thead>  
 <tbody class="bg-info">  
 {% for i in details %}  
 <tr>  
 <td>{{ i.ore }}</td>  
 <td>{{ i.sulphur }}</td>  
 <td>{{ i.phosphoric\_acid }}</td>  
 <td>{{ i.anhydrous\_ammonia }}</td>  
 <td>{{ i.water\_usage }}</td>  
 <td><a href="/graph/{{ i.id }}/"><input type="button" class="btn btn-dark" value="Graph"></a></td>  
<!-- <td><a href="/decline\_connectors/{{ i.id }}/"><input type="button" class="btn btn-dark" value="Decline"></a></td>-->  
 </tr>  
 {% endfor %}  
 </tbody>  
 </table>  
 {% else %}  
 <h3>No More Raw Materials details to Show</h3>  
 {% endif %}  
</div>  
{% endblock %}

{% extends 'technical/technical\_base.html' %}  
{% block content %}  
{% for m in messages %}  
 <script>  
 alert('{{ m }}')  
 </script>  
{% endfor %}  
<div class="container">  
 <h2>Connectors Details</h2>  
 <br>  
 {% if details %}  
 <table class="table table-bordered table-hover">  
 <thead class="bg-dark text-white">  
 <tr>  
 <th>User Name</th>  
 <th>Email</th>  
 <th>Contact</th>  
 <th>Date of Birth</th>  
 <th>Address</th>  
 <th>Allow</th>  
 <th>Decline</th>  
 </tr>  
 </thead>  
 <tbody class="bg-info">  
 {% for i in details %}  
 <tr>  
 <td>{{ i.username }}</td>  
 <td>{{ i.email }}</td>  
 <td>{{ i.contact }}</td>  
 <td>{{ i.date\_of\_birth }}</td>  
 <td>{{ i.address }}</td>  
 <td><a href="/approve\_connectors/{{ i.id }}/"><input type="button" class="btn btn-dark" value="Approve"></a></td>  
 <td><a href="/decline\_connectors/{{ i.id }}/"><input type="button" class="btn btn-dark" value="Decline"></a></td>  
 </tr>  
 {% endfor %}  
 </tbody>  
 </table>  
 {% else %}  
 <h3>No More Connectors Registration to Approve</h3>  
 {% endif %}  
</div>  
{% endblock %}

{% extends 'technical/technical\_base.html' %}  
{% block content %}  
{% for m in messages %}  
 <script>  
 alert('{{ m }}')  
 </script>  
{% endfor %}  
<div class="container">  
 <h2>Provisioners Details</h2>  
 <br>  
 {% if details %}  
 <table class="table table-bordered table-hover">  
 <thead class="bg-dark text-white">  
 <tr>  
 <th>User Name</th>  
 <th>Email</th>  
 <th>Contact</th>  
 <th>Date of Birth</th>  
 <th>Address</th>  
 <th>Allow</th>  
 <th>Decline</th>  
 </tr>  
 </thead>  
 <tbody class="bg-info">  
 {% for i in details %}  
 <tr>  
 <td>{{ i.username }}</td>  
 <td>{{ i.email }}</td>  
 <td>{{ i.contact }}</td>  
 <td>{{ i.date\_of\_birth }}</td>  
 <td>{{ i.address }}</td>  
 <td><a href="/approve\_provisioners/{{ i.id }}/"><input type="button" class="btn btn-dark" value="Approve"></a></td>  
 <td><a href="/decline\_provisioners/{{ i.id }}/"><input type="button" class="btn btn-dark" value="Decline"></a></td>  
 </tr>  
 {% endfor %}  
 </tbody>  
 </table>  
 {% else %}  
 <h3>No More Provisioners Registration to Approve</h3>  
 {% endif %}  
</div>  
{% endblock %}

<!--  
Author: W3layouts  
Author URL: http://w3layouts.com  
License: Creative Commons Attribution 3.0 Unported  
License URL: http://creativecommons.org/licenses/by/3.0/  
-->  
<!DOCTYPE html>  
{% load static %}  
<html>  
<head>  
<title>Trendy Login Form Flat Responsive Widget Template :: w3layouts</title>  
<meta name="viewport" content="width=device-width, initial-scale=1">  
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />  
<meta name="keywords" content="Trendy Login Form template Responsive, Login form web template,Flat Pricing tables,Flat Drop downs Sign up Web Templates, Flat Web Templates, Login sign up Responsive web template, SmartPhone Compatible web template, free webdesigns for Nokia, Samsung, LG, SonyEricsson, Motorola web design" />  
<script type="application/x-javascript"> addEventListener("load", function() { setTimeout(hideURLbar, 0); }, false); function hideURLbar(){ window.scrollTo(0,1); } </script>  
<!-- Custom Theme files -->  
<link href="{% static 'sign/css/style.css' %}" rel="stylesheet" type="text/css" media="all" />  
<!-- //Custom Theme files -->  
<!-- web font -->  
<link href='//fonts.googleapis.com/css?family=Open+Sans:400,300,600,700,800' rel='stylesheet' type='text/css'><!--web font-->  
<!-- //web font -->  
</head>  
<body>  
 {% for m in messages %}  
 <script>  
 alert('{{ m }}')  
 </script>  
 {% endfor %}  
 <!-- main -->  
 <div class="agileits-main">  
 <div class="w3top-nav">  
 <!-- <div class="w3top-nav-left">  
 <h1><a href="index.html">Trendy</a></h1>  
 </div> -->  
 <div class="w3top-nav-right">  
 <ul>  
 <li><a href="/" class="active">Home</a></li>  
<!-- <li><a href="/technical\_login/">Login</a></li>-->  
<!-- <li><a href="/technical\_register/">Register</a></li>-->  
 <!-- <li><a href="#">Gallery</a></li>  
 <li><a href="#">Blog</a></li>  
 <li><a href="#">Contact</a></li> -->  
 </ul>  
 </div>  
 <div class="clear"></div>  
 </div>  
 <div class="header-main">  
 <h2>Login Now</h2>  
 <div class="header-bottom">  
 <div class="header-right w3agile">  
 <div class="header-left-bottom agileinfo">  
 <form action="/technical\_login/" method="post">  
 {% csrf\_token %}  
 <div class="icon1">  
 <input type="email" placeholder="Email@example.com" name="email" required=""/>  
 </div>  
 <div class="icon1">  
 <input type="password" placeholder="Password" name="password" required=""/>  
 </div>  
 <!-- <div class="login-check">  
 <label class="checkbox"><input type="checkbox" name="checkbox" checked=""><i> </i> Keep me logged in</label>  
 </div> -->  
 <div class="bottom">  
 <input type="submit" value="Log in"/>  
 </div>  
 <p><a href="#">Forgot Password?</a></p>  
 </form>  
 </div>  
 </div>  
 </div>  
 </div>  
  
  
 <!-- //main -->  
 <!-- copyright -->  
<!-- <div class="copyright w3-agile">-->  
<!-- <p>© 2018 Trendy Login Form . All rights reserved | Design by <a href="http://w3layouts.com/" target="\_blank">W3layouts</a></p>-->  
<!-- </div>-->  
 <!-- //copyright -->  
</body>  
</html>

<!--  
author: W3layouts  
author URL: http://w3layouts.com  
License: Creative Commons Attribution 3.0 Unported  
License URL: http://creativecommons.org/licenses/by/3.0/  
-->  
<!DOCTYPE html>  
{% load static %}  
<html lang="en">  
<head>  
<title>Event Registration Form Widget Flat Responsive Widget Template :: w3layouts</title>  
<!-- for-mobile-apps -->  
<meta name="viewport" content="width=device-width, initial-scale=1">  
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />  
<meta name="keywords" content="Event Registration Form Widget Responsive web template, Bootstrap Web Templates, Flat Web Templates, Android Compatible web template,  
Smartphone Compatible web template, free webdesigns for Nokia, Samsung, LG, SonyEricsson, Motorola web design" />  
<script type="application/x-javascript"> addEventListener("load", function() { setTimeout(hideURLbar, 0); }, false);  
 function hideURLbar(){ window.scrollTo(0,1); } </script>  
<!-- //for-mobile-apps -->  
<!-- //custom-theme -->  
<link href="{% static 'form/css/style.css' %}" rel="stylesheet" type="text/css" media="all" />  
<!-- js -->  
<script type="text/javascript" src="{% static 'form/js/jquery-2.1.4.min.js' %}"></script>  
<!-- //js -->  
<!-- font-awesome-icons -->  
<!-- //font-awesome-icons -->  
<link href='//fonts.googleapis.com/css?family=Roboto:400,100,300,500,700,900' rel='stylesheet' type='text/css'>  
</head>  
<body>  
<!-- banner -->  
 <div class="center-container">  
 <div class="main">  
 <h1 class="w3layouts\_head">Initiate the Materials</h1>  
 <div class="w3layouts\_main\_grid">  
 <form action="/send\_process\_form/" method="post" class="w3\_form\_post">  
 {% csrf\_token %}  
 <div class="w3\_agileits\_main\_grid w3l\_main\_grid">  
 <span class="agileits\_grid">  
 <label>Ore (In Ton)</label>  
 <input type="text" name="ore" placeholder="Amount of Ore Needed" required="">  
 </span>  
 </div>  
 <div class="w3\_agileits\_main\_grid w3l\_main\_grid">  
 <span class="agileits\_grid">  
 <label>Sulphur (In Barrel)</label>  
 <input type="text" name="sulphur" placeholder="Quantity of Sulphur Needed" required="">  
 </span>  
 </div>  
 <div class="w3\_agileits\_main\_grid w3l\_main\_grid">  
 <span class="agileits\_grid">  
 <label>Phosphoric Acid (In Barrel)</label>  
 <input type="text" name="phosphoric\_acid" placeholder="Quantity of Phosphoric acid Needed" required="">  
 </span>  
 </div>  
 <div class="w3\_agileits\_main\_grid w3l\_main\_grid">  
 <span class="agileits\_grid">  
 <label>Anhydrous Ammonia (In Barrel)</label>  
 <input type="text" name="anhydrous\_ammonia" placeholder="Quantity of Anhydrous Ammonia Needed" required="">  
 </span>  
 </div>  
 <div class="w3\_main\_grid">  
 <div class="w3\_main\_grid\_right">  
 <input type="submit" value="Submit">  
 </div>  
 </div>  
 </form>  
 </div>  
 <!-- Calendar -->  
 <link rel="stylesheet" href="{% static 'form/css/jquery-ui.css' %}" />  
 <script src="{% static 'form/js/jquery-ui.js' %}"></script>  
 <script>  
 $(function() {  
 $( "#datepicker" ).datepicker();  
 });  
 </script>  
 <!-- //Calendar -->  
<!-- <div class="w3layouts\_copy\_right">-->  
<!-- <div class="container">-->  
<!-- <p>© 2017 Event Registration Form. All rights reserved | Design by <a href="http://w3layouts.com">W3layouts.</a></p>-->  
<!-- </div>-->  
<!-- </div>-->  
 </div>  
 </div>  
<!-- //footer -->  
</body>  
</html>

**Backend Codings:**

from django.shortcuts import render, redirect  
from django.db import IntegrityError  
from django.contrib import messages  
from . models import ConnectorsRegistration  
from technical.models import requiredRawMaterials  
  
  
# Create your views here.  
def connectors\_home(request):  
 return render(request, 'connectors/connectors\_home.html')  
  
  
def connectors\_register(request):  
 if request.method == 'POST':  
 username = request.POST['username']  
 email = request.POST['email']  
 contact = request.POST['contact']  
 date\_of\_birth = request.POST['dob']  
 address = request.POST['address']  
 password = request.POST['password']  
 try:  
 ConnectorsRegistration(username=username, email=email, contact=contact,  
 date\_of\_birth=date\_of\_birth, address=address,  
 password=password).save()  
 messages.info(request, "Connectors successfully registered")  
 return redirect('/connectors\_login/')  
 except IntegrityError as e:  
 messages.info(request, "Email already exists")  
 return redirect('/connectors\_register/')  
 return render(request, 'connectors/connectors\_register.html')  
  
  
def connectors\_login(request):  
 if request.method == 'POST':  
 email = request.POST['email']  
 password = request.POST['password']  
 try:  
 r = ConnectorsRegistration.objects.get(email=email, password=password, approve=True)  
 request.session['connectors'] = r.email  
 if r is not None and r.approve is True:  
 messages.info(request, 'Welcome to Connectors Page')  
 return redirect('/connectors\_home/')  
 else:  
 messages.info(request, 'Get Admin approval and Login')  
 return redirect('/connectors\_login/')  
 except ConnectorsRegistration.DoesNotExist as e:  
 messages.info(request, 'Wrong Credentials')  
 return redirect('/connectors\_login/')  
 else:  
 return render(request, 'connectors/connectors\_login.html')  
  
  
def connectors\_logout(request):  
 if 'connectors' in request.session:  
 request.session.pop('connectors', None)  
 messages.success(request, "Connectors Logout Success")  
 return redirect('/')  
 else:  
 return redirect('/connectors\_home/')  
  
  
def process\_ore\_material(request):  
 details = requiredRawMaterials.objects.all()  
 return render(request, 'connectors/process\_ore\_materials.html', {'details': details})  
  
  
def drilling\_and\_blasting(request, id):  
 details = requiredRawMaterials.objects.get(id=id)  
 return render(request, 'connectors/progress\_bar.html', {'details': details})  
  
  
def crushing\_unit(request):  
 details = requiredRawMaterials.objects.filter(send\_to\_process=False)  
 return render(request, 'connectors/send\_to\_crushing\_unit.html', {'details': details})  
  
  
def to\_processing(request, id):  
 details = requiredRawMaterials.objects.get(id=id)  
 details.send\_to\_process = True  
 details.save()  
 messages.success(request, 'Ore Materials Sent to Process Unit')  
 return redirect('/crushing\_unit/')

from django.shortcuts import render, redirect  
from django.db import IntegrityError  
from django.contrib import messages  
from . models import ProcessRegistration  
from technical.models import requiredRawMaterials  
import numpy as np  
import pandas as pd  
from sklearn.preprocessing import LabelEncoder  
from sklearn.linear\_model import Ridge  
import warnings  
warnings.filterwarnings('ignore')  
  
  
# Create your views here.  
def process\_home(request):  
 return render(request, 'process/process\_home.html')  
  
  
def process\_register(request):  
 if request.method == 'POST':  
 username = request.POST['username']  
 email = request.POST['email']  
 contact = request.POST['contact']  
 date\_of\_birth = request.POST['dob']  
 address = request.POST['address']  
 password = request.POST['password']  
 try:  
 ProcessRegistration(username=username, email=email, contact=contact,  
 date\_of\_birth=date\_of\_birth, address=address,  
 password=password).save()  
 messages.info(request, "process successfully registered")  
 return redirect('/process\_login/')  
 except IntegrityError as e:  
 messages.info(request, "Email already exists")  
 return redirect('/process\_register/')  
 return render(request, 'process/process\_register.html')  
  
  
def process\_login(request):  
 if request.method == 'POST':  
 email = request.POST['email']  
 password = request.POST['password']  
 try:  
 r = ProcessRegistration.objects.get(email=email, password=password)  
 request.session['process'] = r.email  
 if r is not None:  
 messages.info(request, 'Welcome to process Page')  
 return redirect('/process\_home/')  
 except ProcessRegistration.DoesNotExist as e:  
 messages.info(request, 'Wrong Credentials')  
 return redirect('/process\_login/')  
 else:  
 return render(request, 'process/process\_login.html')  
  
  
def process\_logout(request):  
 if 'process' in request.session:  
 request.session.pop('process', None)  
 messages.success(request, "process Logout Success")  
 return redirect('/')  
 else:  
 return redirect('/process\_home/')  
  
  
def view\_ore\_sulphur(request):  
 details = requiredRawMaterials.objects.filter(initial\_process=False)  
 return render(request, 'process/view\_ore\_sulphur.html', {'details': details})  
  
  
def crushing\_and\_screening(request, id):  
 details = requiredRawMaterials.objects.get(id=id)  
 details.initial\_process = True  
 details.save()  
 messages.success(request, 'Crushing and Screening of 40 mm is Success')  
 return redirect('/view\_ore\_sulphur/')  
  
  
def view\_phosphoric(request):  
 details = requiredRawMaterials.objects.filter(final\_process=False)  
 return render(request, 'process/view\_phosphoric.html', {'details': details})  
  
  
def scrubbing\_and\_disintegration(request, id):  
 details = requiredRawMaterials.objects.get(id=id)  
 details.final\_process = True  
 details.save()  
 messages.success(request, 'Scrubbing and Disintegration and Screening of > 2mm is done.')  
 return redirect('/view\_ore\_sulphur/')  
  
  
def analyse(request):  
 details = requiredRawMaterials.objects.all()  
 return render(request, 'process/analyse.html', {'details': details})  
  
  
def algorithm(datas,r):  
 print(datas)  
 data = pd.DataFrame(pd.read\_excel("phosphate.xlsx"))  
 read\_file = pd.read\_excel("phosphate.xlsx")  
 read\_file.to\_csv("phosphate.csv", header=True, index=False)  
 data = pd.DataFrame(pd.read\_csv("phosphate.csv"))  
 # data = pd.read\_csv('Construction Cost.csv')  
 data\_x = data.iloc[:, :-1]  
 data\_y = data.iloc[:, -1]  
 string\_datas = [i for i in data\_x.columns if data\_x.dtypes[i] == np.object\_]  
  
 LabelEncoders = []  
 for i in string\_datas:  
 newLabelEncoder = LabelEncoder()  
 data\_x[i] = newLabelEncoder.fit\_transform(data\_x[i])  
 LabelEncoders.append(newLabelEncoder)  
 ylabel\_encoder = None  
 if type(data\_y.iloc[1]) == str:  
 ylabel\_encoder = LabelEncoder()  
 data\_y = ylabel\_encoder.fit\_transform(data\_y)  
  
 model = Ridge()  
 model.fit(data\_x, data\_y)  
 value = {data\_x.columns[i]: datas[i] for i in range(len(datas))}  
 l = 0  
 for i in string\_datas:  
 z = LabelEncoders[l]  
 value[i] = z.transform([value[i]])[0]  
 l += 1  
 value = [i for i in value.values()]  
 predicted = model.predict([value])  
 if ylabel\_encoder:  
 predicted = ylabel\_encoder.inverse\_transform(predicted)  
 return predicted[0]  
  
  
# a = algorithm([15, 330, 310, 220])  
# print(int(a))  
  
  
def process\_output(request):  
 details = requiredRawMaterials.objects.filter(final\_send=False)  
 return render(request, 'process/process\_output.html', {'details': details})  
  
  
def apply\_algorithm(request, id):  
 if 'process' in request.session:  
 details = requiredRawMaterials.objects.get(id=id)  
 r = details.id  
 input\_value = []  
 # da.save()  
 a = details.ore  
 b = details.sulphur  
 c = details.phosphoric\_acid  
 d = details.anhydrous\_ammonia  
 print(a)  
 print(b)  
 print(c)  
 print(d)  
 print(f'id: {r}')  
 input\_value.append(a)  
 input\_value.append(b)  
 input\_value.append(c)  
 input\_value.append(d)  
 print(input\_value)  
 algo = algorithm(input\_value,r)  
 print(f'Target: {algo}')  
 requiredRawMaterials.objects.filter(id=r).update(water\_usage=int(algo))  
 return redirect('/process\_output/')  
  
  
def finish\_the\_process(request, id):  
 details = requiredRawMaterials.objects.get(id=id)  
 details.final\_send = True  
 details.save()  
 messages.success(request, 'Process Finished and the Final Stock Pile is Sent to Technical Team')  
 return redirect('/process\_output/')

from django.shortcuts import render, redirect  
from django.db import IntegrityError  
from django.contrib import messages  
from . models import ProvisionersRegistration  
from technical.models import requiredRawMaterials  
from connectors.models import ConnectorsRegistration  
  
  
# Create your views here.  
def provisioners\_home(request):  
 return render(request, 'provisioners/provisioners\_home.html')  
  
  
def provisioners\_register(request):  
 if request.method == 'POST':  
 username = request.POST['username']  
 email = request.POST['email']  
 contact = request.POST['contact']  
 date\_of\_birth = request.POST['dob']  
 address = request.POST['address']  
 password = request.POST['password']  
 try:  
 ProvisionersRegistration(username=username, email=email, contact=contact,  
 date\_of\_birth=date\_of\_birth, address=address,  
 password=password).save()  
 messages.info(request, "provisioners successfully registered")  
 return redirect('/provisioners\_login/')  
 except IntegrityError as e:  
 messages.info(request, "Email already exists")  
 return redirect('/provisioners\_register/')  
 return render(request, 'provisioners/provisioners\_register.html')  
  
  
def provisioners\_login(request):  
 if request.method == 'POST':  
 email = request.POST['email']  
 password = request.POST['password']  
 try:  
 r = ProvisionersRegistration.objects.get(email=email, password=password, approve=True)  
 request.session['provisioners'] = r.email  
 if r is not None:  
 messages.info(request, 'Welcome to provisioners Page')  
 return redirect('/provisioners\_home/')  
 else:  
 messages.info(request, 'After Admin approval')  
 return redirect('/provisioners\_login/')  
 except ProvisionersRegistration.DoesNotExist as e:  
 messages.info(request, 'Wrong Credentials')  
 return redirect('/provisioners\_login/')  
 else:  
 return render(request, 'provisioners/provisioners\_login.html')  
  
  
def provisioners\_logout(request):  
 if 'provisioners' in request.session:  
 request.session.pop('provisioners', None)  
 messages.success(request, "provisioners Logout Success")  
 return redirect('/')  
 else:  
 return redirect('/provisioners\_home/')  
  
  
def available\_connectors(request):  
 details = ConnectorsRegistration.objects.filter(approve=True, provisioners\_initiation=False)  
 return render(request, 'provisioners/available\_connectors.html', {'details': details})  
  
  
def provisioners\_initiation(request, id):  
 details = ConnectorsRegistration.objects.get(id=id)  
 details.provisioners\_initiation = True  
 details.save()  
 messages.success(request, 'Initiation process Success, Now Connectors can Start the Process')  
 return redirect('/available\_connectors/')  
  
  
def view\_raw\_material(request):  
 details = requiredRawMaterials.objects.filter(send\_to\_connectors=False)  
 return render(request, 'provisioners/view\_raw\_material.html', {'details': details})  
  
  
def send\_to\_connectors(request, id):  
 details = requiredRawMaterials.objects.get(id=id)  
 details.send\_to\_connectors = True  
 details.save()  
 messages.success(request, 'Successfully Sent to Connectors')  
 return redirect('/view\_raw\_material/')

from django.shortcuts import render, redirect  
from django.contrib import messages  
from connectors.models import \*  
from provisioners.models import \*  
from .models import requiredRawMaterials  
import matplotlib.pyplot as plt, seaborn as sns  
import numpy as np  
import pandas as pd  
  
  
# Create your views here.  
def technical\_home(request):  
 return render(request, 'technical/technical\_home.html')  
  
  
def technical\_login(request):  
 if request.method == "POST":  
 email = request.POST["email"]  
 password = request.POST["password"]  
 print(email)  
 if email == "admin@gmail.com" and password == "admin":  
 print(email)  
 request.session['admin'] = "admin@gmail.com"  
 messages.info(request, "Admin Login Success")  
 return render(request, 'technical/technical\_home.html')  
 elif email != "admin@gmail.com":  
 messages.error(request, "Wrong Mail id")  
 return render(request, 'technical/technical\_login.html')  
 elif password != "admin":  
 messages.error(request, "Wrong password")  
 return render(request, 'technical/technical\_login.html')  
 else:  
 return render(request, 'technical/technical\_login.html')  
 return render(request, 'technical/technical\_login.html')  
  
  
def technical\_logout(request):  
 if 'admin' in request.session:  
 request.session.pop('admin', None)  
 messages.success(request, "Admin Logout Success")  
 return redirect('/')  
 else:  
 return redirect('/technical\_home/')  
  
  
def allow\_connectors(request):  
 details = ConnectorsRegistration.objects.filter(approve=False)  
 return render(request, 'technical/technical\_allow\_connectors.html', {'details': details})  
  
  
def allow\_provisioners(request):  
 details = ProvisionersRegistration.objects.filter(approve=False)  
 return render(request, 'technical/technical\_allow\_provisioners.html', {'details': details})  
  
  
def approve\_connectors(request, id):  
 details = ConnectorsRegistration.objects.get(id=id)  
 details.approve = True  
 details.save()  
 messages.info(request, 'Successfully Approved Connectors')  
 return redirect('/allow\_connectors/')  
  
  
def decline\_connectors(request, id):  
 details = ConnectorsRegistration.objects.get(id=id)  
 details.delete()  
 return redirect('/allow\_provisioners/')  
  
  
def approve\_provisioners(request, id):  
 details = ProvisionersRegistration.objects.get(id=id)  
 details.approve = True  
 details.save()  
 messages.info(request, 'Successfully Approved Connectors')  
 return redirect('/allow\_connectors/')  
  
  
def decline\_provisioners(request, id):  
 details = ProvisionersRegistration.objects.get(id=id)  
 details.delete()  
 return redirect('/allow\_provisioners/')  
  
  
def technical\_start\_process\_form(request):  
 return render(request, 'technical/technical\_start\_process\_form.html')  
  
  
def send\_process\_form(request):  
 if request.method == 'POST':  
 ore = request.POST['ore']  
 sulphur = request.POST['sulphur']  
 phosphoric\_acid = request.POST['phosphoric\_acid']  
 anhydrous\_ammonia = request.POST['anhydrous\_ammonia']  
 requiredRawMaterials(ore=ore, sulphur=sulphur, phosphoric\_acid=phosphoric\_acid,  
 anhydrous\_ammonia=anhydrous\_ammonia).save()  
 messages.info(request, "Raw Materials requested Successfully")  
 return redirect('/technical\_start\_process\_form/')  
 return render(request, 'technical/technical\_start\_process\_form.html')  
  
  
def final\_process(request):  
 details = requiredRawMaterials.objects.filter(final\_send=True)  
 return render(request, 'technical/final\_process.html', {'details': details})  
  
  
def graph(request, id):  
 data = pd.read\_csv("phosphate.csv")  
 table = pd.pivot\_table(data, values='Water Usage', index=['Ore'], columns=['Sulphur', 'Phosphoric', 'ammonia'],  
 aggfunc=np.mean)  
 ax = table.T.plot(kind='bar')  
 plt.title("Phosphate Minerals Data")  
 plt.xlabel("Chemicals")  
 plt.ylabel("Water Usage (In Litres)")  
 plt.show()  
 return redirect('/final\_process/')

**SYSTEM TESTING AND IMPLEMENTATION**

**9.1. INTRODUCTION**

Software testing is a critical element of software quality assurance and represents the ultimate review of specification, design and coding. In fact, testing is the one step in the software engineering process that could be viewed as destructive rather than constructive.

**9.2. STRATEGIC APPROACH TO SOFTWARE TESTING**

The software engineering process can be viewed as a spiral. Initially system engineering defines the role of software and leads to software requirement analysis where the information domain, functions, behavior, performance, constraints and validation criteria for software are established. Moving inward along the spiral, we come to design and finally to coding. To develop computer software we spiral in along streamlines that decrease the level of abstraction on each turn.

A strategy for software testing may also be viewed in the context of the spiral. Unit testing begins at the vertex of the spiral and concentrates on each unit of the software as implemented in source code. Testing progress is done by moving outward along the spiral to integration testing, where the focus is on the design and the construction of the software architecture. Talking another turn on outward on the spiral we encounter validation testing where requirements established as part of software requirements analysis are validated against the software that has been constructed. Finally, we arrive at system testing, where the software and other system elements are tested as a whole.

UNIT TESTING

MODULE TESTING

SUB-SYSTEM TESING

SYSTEM TESTING

ACCEPTANCE TESTING

**Component testing**

**Integration Testing**

**User Testing**

**9.3. Unit Testing**

Unit testing focuses verification effort on the smallest unit of software design, the module. The unit testing we have is white box oriented and some modules the steps are conducted in parallel.

**1. WHITE BOX TESTING**

This type of testing ensures that

* All independent paths have been exercised at least once
* All logical decisions have been exercised on their true and false sides
* All loops are executed at their boundaries and within their operational bounds
* All internal data structures have been exercised to assure their validity.

To follow the concept of white box testing we have tested each form .We have created independently to verify that Data flow is correct, All conditions are exercised to check their validity, All loops are executed on their boundaries.

**2. BASIC PATH TESTING**

The established technique of flow graph with Cyclamate complexity was used to derive test cases for all the functions. The main steps in deriving test cases were:

Use the design of the code and draw correspondent flow graphs.

Determine the Cyclamate complexity of the resultant flow graph, using formula:

V (G) =E-N+2 or

V (G) =P+1 or

V (G) =Number of Regions

Where V (G) is Cyclomatic complexity,

E is the number of edges,

N is the number of flow graph nodes,

P is the number of predicate nodes.

Determine the basis of set of linearly independent paths.

**3. CONDITIONAL TESTING**

In this part of the testing each of the conditions were tested to both true and false aspects. And all the resulting paths were tested. So that each path that may be generated on particular condition is traced to uncover any possible errors.

**4. DATA FLOW TESTING**

This type of testing selects the path of the program, according to the location of the definition and use of variables. This kind of testing was used only when some local variable were declared. The definition-use chain method was used in this type of testing. These were particularly useful in nested statements.

**5. LOOP TESTING**

In this type of testing all the loops are tested to all the limits possible. The following exercise was adopted for all loops:

* All the loops were tested at their limits, just above them and just below them.
* All the loops were skipped at least once.
* For nested loop test the innermost loop first and then work outwards.
* For concatenated loops the values of dependent loops were set with the help of a connected loop.

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Test Scenario** | **Expected Result** | **Test Result** |
| 1 | Username is correct. Password is incorrect. | Username and Password is incorrect. | Username and Password is incorrect. |
| 2 | Username is incorrect. Password is correct. | Username and Password is incorrect. | Username and Password is incorrect. |
| 3 | Username is empty. Password is correct. | Username is required. | Username is required. |
| 4 | Username is correct. Password is empty. | Password is required. | Password is required |
| 5 | Both Username and Password is incorrect. | Username and Password is incorrect. | Username and Password is incorrect. |
| 6 | Both Username and Password is empty. | Username and Password is required. | Username and Password is required. |
| 7 | Both Username and Password is correct. | Login Successful. | Login Successful. |

**CHAPTER-10**

**SYSTEM SECURITY**

# 10.1 INTRODUCTION

Security system can be divided into four related issues: The protection of computer based resources that includes hardware, software, data, procedures and people against unauthorized use or natural.

Disaster is known as System Security.

* Security
* Integrity
* Privacy
* Confidentiality

**SYSTEM SECURITY** refers to the technical innovations and procedures applied to the hardware and operation systems to protect against deliberate or accidental damage from a defined threat.

**DATA SECURITY** is the protection of data from loss, disclosure, modification and destruction.

**SYSTEM INTEGRITY** refers to the power functioning of hardware and programs, appropriate physical security and safety against external threats such as eavesdropping and wiretapping.

**PRIVACY** defines the rights of the user or organizations to determine what information they are willing to share with or accept from others and how the organization can be protected against unwelcome, unfair or excessive dissemination of information about it.

**CONFIDENTIALITY** is a special status given to sensitive information in a database to minimize the possible invasion of privacy. It is an attribute of information that characterizes its need for protection.

## 10.2 SECURITY IN SOFTWARE

System security refers to various validations on data in the form of checks and controls to avoid the system from failing. It is always important to ensure that only valid data is entered and only valid operations are performed on the system. The system employs two types of checks and controls:

**CLIENT SIDE VALIDATION**

Various client side validations are used to ensure on the client side that only valid data is entered. Client side validation saves server time and load to handle invalid data. Some checks are imposed:

* JavaScript in used to ensure those required fields are filled with suitable data only. Maximum lengths of the fields of the forms are appropriately defined.
* Forms cannot be submitted without filling up the mandatory data so that manual mistakes of submitting empty fields that are mandatory can be sorted out at the client side to save the server time and load.
* Tab-indexes are set according to the need and taking into account the ease of use while working with the system.

**SERVER SIDE VALIDATION**

Some checks cannot be applied on the client side. Server side checks are necessary to save the system from failing and intimating the user that some invalid operation has been performed or the performed operation is restricted. Some of the server side checks imposed is:

* A server side constraint has been imposed to check for the validity of primary key and foreign key. A primary key value cannot be duplicated. Any attempt to duplicate the primary value results in a message intimating the user about those values through the forms using foreign key can be updated only of the existing foreign key values.
* The user is intimated through appropriate messages about the successful operations or exceptions occurring at server side.
* Various Access Control Mechanisms have been built so that one user may not agitate upon another. Access permissions to various types of users are controlled according to the organizational structure. Only permitted users can log on to the system and can have access according to their category. User- name, passwords and permissions are controlled the server side.
* Using server side validation, constraints on several restricted operations are imposed.

**CHAPTER-11**

**CONCLUSION**

**&**

**FUTURE ENHANCEMENT**

**CONCLUSION:**

In this application, we did the prediction which is very effectively and better in terms of accuracy. Here as we mentioned earlier we have used ridge regression, instead of using any classifier. Because in classifier it is categorized way there the accuracy is not met. But in regression that too in Ridge regression it is in a numerical value. Here the prediction of our data is more accurate. Ridge is in a linear way and non categorical so that it is more suggested and we have used it in our model. Therefore, as a future improvement, we can apply the ridge method more effectively by using feature selection to get higher performance.

**FUTURE WORK:**

As we know water is a mandatory source for all, so managing it will be socially responsible one. We should take necessary effort to avoid the unnecessary usage of water, for that here we have proposed a better analysation process in the industry which can be applicable to all places. Here though we have planned and executed it. The data to predict its level is not sufficient so sampling of data should be done in near future.