

Recurring Deposit Calculator

Please follow below steps to integrate Recurring Deposit Calculator In your website

Step 1: Add Plugins:

- JQuery: Download JQuery Plugin from the following link-
(<https://www.cdnpkg.com/datepick/file/jquery.plugin.min.js/>)
- Bootstrap: Download JQuery Plugin from the following link-
(<https://getbootstrap.com/docs/4.6/getting-started/download/>)
- Canvas Js: Download JQuery Plugin from the following link-
(<https://canvasjs.com/assets/script/canvasjs.min.js>)

Step 2: Create a HTML Page for Recurring Deposit Calculator:

- RecurringDepositCalculator.html:

```
<!DOCTYPE html>

<html>

<head>

<title>Recuring Deposit Calculator</title>

<link rel="stylesheet" href="../Plugin/bootstrap/css/bootstrap.min.css" />

<link rel="stylesheet" href="../CSS/recurringDepositCalculator.css">

<script src="../Plugin/library/jquery-3.6.0.min.js"></script>

<script src="../JS/recurringDepositCalculator.js"></script>

<script src="https://canvasjs.com/assets/script/canvasjs.min.js"></script>

</head>

<body class="container">

<div class="mt-3 calculator">

<h4 class="mb-2">Recuring Deposit Calculator</h4>
```

```

</div>

<div class="rows container">

<div class="col-12 float-lg-start div">

<button class="btn btn-primary m-2" onclick="location.href =
'./index.html' "> Homepage </button>

<form>

<div class="container col-6 float-lg-start">

<div class="">

<div class="d-flex justify-content-between">

<label>Monthly Investment*</label>

<div class="flex-nowrap input-group w-25">

<span class="input-group-text" id="addon-wrapping">₹</span>

<input type="text" class="form-control disabled w-25"
id="monthlyInvestment" readonly
value="1,000" />

<input type="hidden" id="hdMonthlyAmount" value="1000">

</div>

</div>

<div id="monthlyAmountSlider" type="range" name="range" step="500"
min="1000" max="100000"
value="1000" />

<datalist id="monthlyAmountSlider">

<option value="1,000" label="1,000"></option>

<option value="50" label="50,000"></option>

<option value="100" label="1,00,000"></option>

</datalist>

```

```
</div>

<div class="">

<div class="d-flex justify-content-between">

<label>Rate of Interest</label>

<input type="text" class="form-control disabled w-25" id="rateOfInterest"
readonly
value="1%" />

<input type="hidden" id="hdRateOfIntrest" value="1">

</div>

<input id="rateOfInterestSlider" type="range" name="range" step="0.5"
min="1" max="15"
value="1" />

<datalist id="rateOfInterestSlider">

<option value="1" label="1%"></option>

<option value="5" label="10%"></option>

<option value="10" label="15%"></option>

</datalist>

</div>

<div class="">

<div class="d-flex justify-content-between">

<label>Time Period(months)</label>

<input type="text" class="form-control disabled w-25" id="timePeriod"
readonly value="1" />

</div>

<input id="timePeriodSlider" type="range" name="range" step="1" min="1"
max="100" value="1" />

<datalist id="timePeriodSlider">
```

```
<option value="1" label="1"></option>  
  
<option value="50" label="50"></option>  
  
<option value="100" label="100"></option>  
  
</datalist>  
  
</div>  
  
<div class="">  
    <div class="d-flex justify-content-start">  
        <label for="interestCompounding">Interest Compounding: </label>  
  
        <select name="interestCompounding" class="form-select w-25"  
            id="interestCompounding"  
                required>  
            <option class="dropdown-item" value="3">Quarterly</option>  
            <option class="dropdown-item" value="6">Half-Yearly</option>  
            <option class="dropdown-item" value="12">Yearly</option>  
            <option class="dropdown-item" value="1">Monthly</option>  
        </select>  
    </div>  
    </div>  
  
    <div class="py-3">  
        <button type="button" class="btn btn-primary" id="show-maturity-value">Show  
Maturity Value</button>  
  
        <div class="d-flex flex-row div2 mt-3">  
  
            <span class="border border-primary bg-primary rounded-2 flex-sm-fill rd-  
result-text">Total  
  
Investment:<p id="tInvestment"></p>  
  
</span>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~  
            <span class="border border-primary bg-primary rounded-2 flex-sm-fill rd-
```



```

//To get Rate Of Interest value and display in proper format

$("#rateOfInterestSlider").change(function () {

    $("#rateOfInterest").val($("#rateOfInterestSlider").val() + "%");

    $("#hdRateOfIntrest").val($("#rateOfInterestSlider").val());

});

//To get Time Period value

$("#timePeriodSlider").change(function () {

    $("#timePeriod").val($("#timePeriodSlider").val());

});

//calculating Maturity Amount

$("#show-maturity-value").click(function () {

    var monthlyInvestment = $("#hdMonthlyAmount").val(); //p
    var rateOfInterest = $("#hdRateOfIntrest").val(); //i
    var timePeriod = $("#timePeriod").val(); //n
    var compoundIntrest = $("#interestCompounding").val();

    if (compoundIntrest == 3) {

        (e = Math.pow(1 + rateOfInterest / 400, timePeriod / compoundIntrest)),

        (d = Math.pow(1 + rateOfInterest / 400, -1 / compoundIntrest));

        console.log("4");

    } else if (compoundIntrest == 6) {

        (e = Math.pow(1 + rateOfInterest / 200, timePeriod / compoundIntrest)),

        (d = Math.pow(1 + rateOfInterest / 200, -1 / compoundIntrest));

        console.log("6");

    } else if (compoundIntrest == 12) {

        (e = Math.pow(1 + rateOfInterest / 100, timePeriod / compoundIntrest)),

```

```

        (d = Math.pow(1 + rateOfInterest / 100, -1 / compoundIntrest));

        console.log("1");

    } else {

        (e = Math.pow(1 + rateOfInterest / 1200, timePeriod / compoundIntrest)),

        (d = Math.pow(1 + rateOfInterest / 1200, -1 / compoundIntrest));

        console.log("12");

    }

    var maturityAmout = (monthlyInvestment * (e - 1)) / (1 - d);

    $("#mValue").text("Rs. " + maturityAmout.toFixed(0));

    $("#tInvestment").text("Rs. " + monthlyInvestment * timePeriod);

    $("#tIntrest").text(

        "Rs. " + (maturityAmout - monthlyInvestment * timePeriod).toFixed(0)

    );

    // pie chart

    var chart = new CanvasJS.Chart("chartContainer", {

        animationEnabled: true,

        data: [

            {

                showInLegend: true,

                type: "pie",

                startAngle: 240,

                // yValueFormatString: "##0.00\\'%\\'",

                indexLabel: "{label} {y}",

```

```

        dataPoints: [
            {
                y: monthlyInvestment * timePeriod,
                label: "Total Investment",
                label: "Total Investment",
            },
            {
                y: maturityAmount - monthlyInvestment * timePeriod,
                label: "Total Intrest",
                label: "Total Intrest",
            },
        ],
    },
    ],
    });
    chart.render();
    });
});

```

Step 4: Create a CSS file for Recurring Deposit Calculator:

a) RecurringDepositCalculator.css

```

.div {
    border: 2px solid rgb(17, 171, 223);
    margin-left: 20px;
    margin: 0 auto;
}

```



```
h4 {  
  
    margin-left: 20px;  
  
    margin: 0 auto;  
  
    width: fit-content;  
  
}  
  
datalist {  
  
    display: flex;  
  
    justify-content: space-between;  
  
    color: rgb(160, 160, 160);  
  
    width: 50%;  
  
}  
  
#monthlyAmountSlider,  
#rateOfInterestSlider,  
#timePeriodSlider {  
  
    width: 100%;  
  
}  
  
.div2 {  
  
    height: 60px;  
  
    text-align: center;  
  
}  
  
.rd-result-text {  
  
    color: white;  
  
}
```

Step 5: Results:

Resultant Page for RecurringDepositCalculator:

