Project Development Phase

Sprint-04

Date	15 November 2022
Team ID	PNT2022TMID15221
Project Name	Machine Learning-Based Predictive Analytics for Aircraft Engine

Engine Prediction:

```html
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
    <title></title>
</head>
<script src="http://ajax.googleapis.com/ajax/libs/angularjs/1.3.14/angular.min.js"></s cript>
<body ng-app="Myapp" ng-controller="ctlemp as h">
    <style>
        body {
            background-image: url('./Image\ 01.jpg');
            background-attachment: fixed;
            background-size: cover;
        }
    </style>
<div ng-switch on="h.page">
    <div ng-switch-when="EmpOffice" ng-controller="Myc as c">
    <form>
        <hr>
    <table cellpadding="3" cellspacing="0">
        <!--<tr>
            <td></td>
            <td></td>
            <td></td>
            <td></td>
            <td colspan="3">sample</td>
        </tr>-->
        <legend ><b>Aircraft Engine Prediction</b></legend>
        <tr>
            <td>
```

```html
                Engine Name:
        </td>
        <td>
                <input type="text" ng-model="c.employee.UserName" />
        </td>
    </tr>
    <tr>
        <td>
                Power type:
        </td>
        <td>
                <input type="radio" name="Power" value="HP" ng-model="c.employee.Gender"/>HP<input type="radio" name="Power" value="LP" ng-model="c.employee.Gender"/>LP
        </td>
    </tr>
    <tr>
        <td>
                Engine Model:
        </td>
        <td>
                <select ng-options="dep.Id as dep.Name for dep in c.loaddep" ng-model="c.employee.Admin"/>
        </td>
    </tr>
    <tr>
        <td>
                Power:
        </td>
        <td>
                <select ng-options="city.Id as city.Name for city in c.loadcity" ng-model="c.employee.City"/>
        </td>
    </tr>
    <tr>
        <td>
                Reporting to:
        </td>
        <td>
                <input type="text" ng-model="c.employee.Email"/>
        </td>
    </tr>
    <tr>
        <td>
                Engine  Description:
        </td>
        <td>
```

```html
                <textarea rows="4" cols="10" ng- model="c.employee.Address"></textarea>
            </td>
        </tr>
        <tr>
            <td>
                Engine Failure Causes:
            </td>
            <td>
                <input type="checkbox" ng-model="c.employee.Travelling"
value={{c.loadinterset[0].Id}}>{{c.loadinterset[0].Name}}</input>
                <input type="checkbox" ng-model="c.employee.Movies"
value={{c.loadinterset[1].Id}}>{{c.loadinterset[1].Name}}</input>
                <input type="checkbox" ng-model="c.employee.Music"
value={{c.loadinterset[2].Id}}>{{c.loadinterset[2].Name}}</input>
            </td>
        </tr>
        <tr>
            <td>
                Verification:
            </td>
            <td>
                <input type="checkbox" ng- model="c.employee.Accepting"></input>
            </td>
        </tr>
        <tr>
            <td  colspan ="2" align = "center">
                <button ng-
click="c.addemp()">Predit</button>
                <button ng-click="c.filteremp()">Filter</button>
            </td>

        </tr>
    <table>
    </form>
    <hr />
    <span ng-show="c.employee.filter">
        <br />
        <br />
        Filter: <input type="text" ng-model="c.employee.filterby" />
        <br />
        <br />
        <hr />
    </span>
<table cellpadding="3" cellspacing="0" border="1">
    <tr>
        <th>S. No</th>
```

```html
        <th>Engine Name</th>
        <th>Power type</th>
        <th>Engine Model</th>
        <th>Power</th>
        <th>Reporting to</th>
        <th>Engine Description</th>
        <th>Engine ice)</th>                    Failure Details (Air Blockage, Fuel
                                               Exhaustion, Carburettor

        <th>Verification</th>
    </tr>
    <tr ng-repeat="e in c.emplist|filter:c.employee.filterby">
        <td>{{$index+1}}</td>
        <td>{{e.UserName}}</td>
        <td>{{e.Gender}}</td>
        <td>{{e.Admin}}</td>
        <td>{{e.City}}</td>
        <td>{{e.Email}}</td>
        <td>{{e.Address}}</td>
        <td>{{e.Travelling}},{{e.Movies}},{{e.Music}}</td>
        <td>{{e.Accepting}}</td>
        <td>
            <button                         ng-click="c.Edit($index)">Edit</button>
        </td>
        <td>
            <button                         ng-click="c.rmemp($index)">Delete</button>
        </td>
    </tr>
    </table>
    <hr />
</div>

<div ng-switch-when="EmpPro" ng-controller="Myc as c">
employee Personal                              Details
</div>

</div>
    <script>
        function                            empCities() {


            this.cities                     = [{ "Id": 1, "Name": "Above 50", "State":
                                               "Tamilnadu"
},

            { "Id": 2, "Name": "Above 100", "State": "Delhi" },
            { "Id": 3, "Name": "Above 150", "State": "Maharastra" },
            { "Id": 4, "Name": "Above 200", "State": "Maharastra" },
            { "Id": 5, "Name": "Above 250", "State": "Karnataka" }]
        }
        function empDepartment() {
```

```javascript
                                                this.departments = [{ "Id": 1, "Name": "A-
                            "Model" },          12345", "Manager":

                                                {"Id":2,"Name":"B-12345","Manager":"Model"},
                                                {"Id":3,"Name":"C-12345","Manager":"Model"},
                                                {"Id":4,"Name":"D-12345","Manager":"Model"}]
                            }

        function empInterest() {


            this.interests = [{ "Id": 1, "Name": "Air Blockage" },
                { "Id": 2, "Name": "Fuel Exhaustion" },
                { "Id": 3, "Name": "Carburettor ice" }];
        }
        function empdetails() { var
            self = this; self.UserName
            = ''; self.Gender = '';
            self.City = ''; self.Admin =
            ''; self.Email = '';
            self.Address = '';
             self.CreatePassword = '';
             self.Travelling = true;
             self.Movies = false; self.Music
             = true; self.filter = false;
             self.Accepting = ''; self.filterby
             = '';
        }
        function empmgm() {
            var self = this;
            self.index;
            self.employee = new empdetails(); self.emplist = [];
            self.loaddep = new empDepartment().departments; self.loadcity =
            new empCities().cities; self.loadinterset = new
            empInterest().interests; self.addemp = function (){
                                        self.emplist.push(self.employee);
                                        self.employee = new empdetails();
                                        console.log('Emp Added');
                                    };
            self.rmemp = function (i){
                                        self.emplist.splice(i,1); console.log('Last Emp
                                        Delete');
            };

            self.filteremp = function () { self.employee.filter =
                !self.employee.filter;
```

```
                    };
                                self.Edit =
            function (i) { self.employee=
            self.emplist[i]
            self.employee.filterby = self.emplist[i].Name; self.index = i;
        };

                                self.Updatemp = function ()
            { self.emplist[self.index] = self.employee
            self.employee.filterby = ""; self.employee =
            new empdetails();
        }

    }
    var app = angular.module("Myapp", []);
    app.controller("ctlemp", [function () {
        this.page = "EmpOffice";

    }]);
    app.controller("Myc", [empmgm]);
    </script>
</body>
</html>
```

WEB PAGE OUTPUT: