# Course Code: CSE3150

## Course Title: Front End Full Stack Development

## Lab sheet 8-Javascript - Module 2

Create an online student registration page for Presidency University. Registration page should contain following fields in the specified format and develop the JavaScript validation Code as per the conditions specified for each field.

a) First name (should not be empty, Name should contain only alphabets and the length should not be less than 6 characters)

b) Lastname (only alphabets should be entered)

c) Email id (should not contain any invalid and must follow the standard pattern name@domain.com)

d)Password ((Password should not be less than 6 characters length and enter only numbers, letters)

e) Address (should not be empty)

 f) Mobile number (Phone number should contain 10 digits only and it should accept only numbers)

 g) gender

 h) Submit and Cancel button

Data entry for all fields are mandatory as per validation conditions and if any of the condition is not specified appropriate alert Message should be displayed or on successful entry of all the fields the student should get the alert message "Registration done successfully".

Main.html

```
<html>
 <head><title>Registration Form Validation</title></head>
 <body bgcolor="#E4F0F8">
 <script type='text/javascript'>
 function formValidator()
 {
```

```javascript
// Make quick references to our fields
var firstname = document.getElementById('firstname');
var lastname = document.getElementById('lastname');
var email = document.getElementById('email');
var pass = document.getElementById('pass');
var addr = document.getElementById('addr');
var mobileno = document.getElementById('mobileno');
// Check each input in the order that it appears in the form!
if(notEmpty(firstname, "first name can not be empty")){
if(isAlphabet(firstname, "Please enter only letters for your Firstname")){
if(lengthRestriction(firstname, 6)){
if(isAlphabet(lastname, "Please enter only letters for your Lastname")){
if(emailValidator(email, "Please enter a valid email address")){
if(lengthRestriction(pass, 6)){
if(isAlphanumeric(pass, "please enter Numbers and Letters Only for password")){
if(notEmpty(addr, "please enter the address")){
if(isNumeric(mobileno, "Please enter a valid mobileno")){
if(lengthRestriction1(mobileno, 10 , 10)){
return true;
} } } }
}
}
}
} } }
return false;
}
function notEmpty(elem, helperMsg){
if(elem.value.length == 0){
alert(helperMsg);
elem.focus(); // set the focus to this input
return false;
```

```javascript
    }
    return true;
    }
function isNumeric(elem, helperMsg){
 var numericExpression = /^[0-9]+$/;
 if(elem.value.match(numericExpression)){
 return true;
 }else{
 alert(helperMsg);
 elem.focus();
 return false;
 }
 }
function isAlphabet(elem, helperMsg){
 var alphaExp = /^[a-zA-Z]+$/;
 if(elem.value.match(alphaExp)){
 return true;
 }else{
 alert(helperMsg);
 elem.focus();
 return false;
 }
 }
function isAlphanumeric(elem, helperMsg){
 var alphaExp = /^[0-9a-zA-Z]+$/;
 if(elem.value.match(alphaExp)){
 return true;
 }else{
 alert(helperMsg);
 elem.focus();
 return false;
```

```javascript
  }
  }
function lengthRestriction(elem, min){
 var uInput = elem.value;
 if(uInput.length >= min){
 return true;
 }else{
 alert("Please enter minimum " +min+ " characters");
 elem.focus();
 return false;
 }
 }
function emailValidator(elem, helperMsg)
{
var emailExp = /^[\w\-\.\+]+\@[a-zA-Z0-9\.\-]+\.[a-zA-z0-9]{2,4}$/;
 if(elem.value.match(emailExp))
 {
 return true;
 }
 else{
 alert(helperMsg);
 elem.focus();
 return false;
 }
 }
function lengthRestriction1(elem, min, max)
 {
 var uInput = elem.value;
 if(uInput.length >= min && uInput.length <= max)
 {
 return true;
```

```
  }
  else {
  alert("Please enter 10 numbers only");
  elem.focus();
  return false;
  }
  }
 </script>
<center ><font color="blue" size="6" face="arial">Student Registration Form REVA
UNIVERSITY</font><br /><br /><br />


<form onsubmit='return formValidator()' action="right.html">
<fieldset>
 First Name(Minimum 6 characters)<font color="red">* </font>
 <input type='text' id='firstname' /><br /><br />
 Last Name<font color="red"><font color="red">* </font> </font>    
 <input type='text' id='lastname' /><br /><br />
 Email Address<font color="red">* </font>    
 <input type='text' id='email' /><br />
 <font color="red">(one e-mail id only):</font>    
 <font color="redblue">e.g. smith@gmail.com</font><br /><br/>
 Password(minimum 6 characters)<font color="red">* </font>    
 <input type='password' id='pass'><br /><br/>
 Address<font color="red">* </font>    
 <textarea rows="2" cols="20" id='addr' /></textarea> <br /> <br/>
 Mobile No<font color="red">* </font>    
 <input type='text' id='mobileno' /><br /><br /><br />
 Gender: <input type='radio' name="gender">male
 <input type='radio' name="gender">female<br/><br />
 <input type='Submit' value='submit' />
 <input type='Reset' value='reset' />
```

```html
<fielset>
 </center>


 </form>
 </body>
</html>
```

Right.html

```html
<html>
<body style="background-color:green;">
<h1> Registration done successfully </h1>
</body>
</html>
```