

**Project:-ICTAK Website** <http://64.227.132.109/>

**Github Link:-**[https://github.com/KPSona/ICTAK\\_Project\\_V1/tree/Branchfabi](https://github.com/KPSona/ICTAK_Project_V1/tree/Branchfabi)

**Jira link:-**<https://kpsona.atlassian.net/browse/ICT-6>

**Test Plan Document:--**

<https://docs.google.com/document/d/1SfR90wtdd7lITa41d-eyfUiFswqrrdAYAPSw-rPv3TQ/edit?usp=sharing>

**Test case Document:--**

[https://docs.google.com/spreadsheets/d/1Tlao8dTSr7xy7qSMRv\\_09uPVe56wH3VzksTEXFbUIx8/edit?usp=drivesdk](https://docs.google.com/spreadsheets/d/1Tlao8dTSr7xy7qSMRv_09uPVe56wH3VzksTEXFbUIx8/edit?usp=drivesdk)

**My portions:--**

Pages Required:-a)HomePage

e)Events

ICSET,Techathlon

f)Paatshala LMS

4.Membership page should also include separate application form forAcademic and Corporate with custom validations and once filled they receive a confirmation email.

a)Admin should be able to get all the registration details in his/her dashboard and can download it as an Excel file.

5.Paathshala anchor tag should redirect to [retail.ictkerala.org](http://retail.ictkerala.org) page.

**I did the following details.....**

- Here,f)and5) are invalid test cases.
- In Homepage I validate the home page and display " ICT Academy Of Kerala "
- In Events ,I check the dropdownlist is visible.Also did an events registration .
- In the Membership page ,it contains Academic and corporate membership registration.I checked the visibility of this drop down list and also did corporate membership registration.
- Admin login into the site and search and download the details of corporate members.

## Extra learnings:-

I created 5 pages and 3 test classes for each scenario and also added properties and AutomationConstants files .

AdminLoginPage—AdminLoginTC

CorAdminValidation—AdminCorValidationTC

Events,Homepage,MembershipReg—EventsTC

Membership registration page contains 3 drop down menu.Two of them are hoverable dropdowns and one is a multiselect dropdown menu.

Code for each dropdown menus are:----

### 1)Select Option Dropdown list

```
public void typeofcmpny()
{
    WebElement
drop1=driver.findElement(By.xpath("//div[@class='input-group
input-group-dynamic mb-4']/child::select)[1]"));
    Select dropdown=new Select(drop1);
    dropdown.selectByVisibleText("Public");
}
```

### 2)Select Option Dropdownlist

```
public void noofparents()
{
    WebElement
drop2=driver.findElement(By.xpath("//div[@class='input-group
input-group-dynamic mb-4']/child::select)[2]"));
    Select dropdown=new Select(drop2);
    dropdown.selectByVisibleText("10>");
}
```

### 3)div span bootstrap dropdown menu

```
public void avgyearly()
{
    WebElement
drop3=driver.findElement(By.xpath("//div[@class='input-group
input-group-dynamic mb-4']/child::select)[3]"));
    Select dropdown=new Select(drop3);
    dropdown.selectByVisibleText("41-50");
}
```

Properties file mainly include this details

url = <http://64.227.132.109/>

browser=[chrome](#)

poc\_collab=[Internships](#)

Here, Internship is used for selecting one options from multiple list

```
        public void pocCollaborate(String poc_collab) {  
            collab.sendKeys(poc_collab);  
            collab.sendKeys(Keys.RETURN);  
        }
```

TestNG.xml file code include 3 Testclasses

```
<class name="org.ict.testcases.EventsTC"/>  
    <class name="org.ict.testcases.AdminLoginTC"/>  
    <class name="org.ict.testcases.AdminCorValidationTC"/>
```

## Jmeter:--

After testing i recorded the website activity and done the load and performance testing using Jmeter tool.

**Threads created are:---**

- 1)Launch Homepage
- 2)EventsRegistration
- 3)Corporate Registration
- 4)AdminLogin
- 5)Search&download

I test the website performance with 50 users and the loop count is 2.

Request Summary:---**99.7%Pass0.29%Fail**

- **Reports:---**

- View Result Tree
- Aggregate Report
- Aggregate Graph
- Response Time Graph
- Summary Report
- Graph Result