**Backoffice Plugin**

A plugin named Backoffice was created for achieving the following.

1. To store the threshold Value for the particular course by the teacher.
2. To update the existing threshold Value if required.

Threshold value consists of the following fields

1.Course Id

2. Maximum number of posts in the forum (post\_high) Maximum value is 2

3. Minimum number of posts in the forum(post\_low) minimum value is 0

4.Maximum frequency of login in days(login\_high)Maximum value is 10

5. Minimum frequency of login in days(login\_low) Minimum value is 0

6.Maximum grade (aprov\_high)Maximum value is 100

7. Minimum grade(aprov\_low)Minimum value is 0

8. Start course date(startCourseDate)

9. Importance of login for calculating the grade(login\_importance)

10. Importance of posts for calculating the grade(post\_importance)

The sum of login\_importance and post\_importance has to be 100

11. Maximum attendance(assid\_high)

12. Minimum attendance(assid\_low)

The assid\_low and assid\_high are to transform the resulting attendance into a definition of Low, Middle and High to be used by the TV.

These values are stored in the moodle database so that the tutor virtual can access the data.

Next goal was to integrate the code from the HTML block for TV to the backoffice block so that it works with a single block. But it didn’t work well.

Options of integrating the HTML code to the backoffice block,

1. Inserting the HTML code into the php file named: block\_backoffice.php by the following methods.
2. The HTML code is integrated using echo statement and adding \ before every ‘.
3. Maintain the HTML code in a file and read the code from the file using $doc->loadHTMLFile(“File path”);
4. "nowdoc" and printed the HTML code using a identifier for example, echo <<<'EOD' and then added the HTML code after this. End the HTML code using EOD.

Problem Occurred:

Cannot read property ‘innerHTML’ of undefined at getUser.

Reason Behind Problem:

I debugged and found that the value of the user is read as NULL. This happens because the HTML code for TV, integrated into the backoffice block is reading the username and other values of the user even before the DOM elements are loaded.

Steps Taken to Resolve this Issue

1. Adding a event listener so that the value is read only after the DOM content is loaded.

document.addEventListener("DOMContentLoaded", function(event) {

//Do work

});

Issue:

Now there were some other errors coming which was difficult to understand.

1. Executing the javascript only after the window is loaded.

<script type ="text/javascript">

window.onload = function what(){

document.getElementById('hello').innerHTML = 'hi';

};

</script>

Issue:

Now there were other errors which stopped the TV from working perfectly.

**WEBSERVICE**

A webservice was created to read the threshold value from the moodle database.

Name of the function: get\_data

Input Parameter: Courseid

Output Format: Json, XML

The output format can be chosen according to the requirement.